

Result No.	Score	Query Match	Length	DB	ID	Description
1	2072	100.0	2072	3	US-09-786-681A-1	Sequence 1, Appli
2	1814	87.5	1827	3	US-09-786-681A-3	Sequence 3, Appli
3	444	21.5	444	3	US-09-621-976-18829	Sequence 18829, A
4	383.4	18.5	440	3	US-09-513-998C-3708	Sequence 3708, A
C 5	369.8	17.8	771	3	US-09-270-767-679	Sequence 679, App
C 6	369.8	17.8	771	3	US-09-270-767-15961	Sequence 15961, A
7	364.8	17.6	433	3	US-09-513-998C-3502	Sequence 3502, Ap
8	230.8	11.1	571	3	US-09-270-767-28434	Sequence 28434, A
9	230.8	11.1	1151	3	US-09-270-767-12633	Sequence 12633, A
10	227.6	11.0	2391	3	US-09-949-016-3623	Sequence 3623, Ap
11	227.6	11.0	2805	3	US-08-959-004-6	Sequence 6, Appli
12	226	10.9	1878	3	US-10-104-047-1699	Sequence 1699, Ap
13	161.2	7.8	995	3	US-09-270-767-14715	Sequence 14715, A
14	132.8	6.4	726	3	US-09-248-796A-6208	Sequence 6208, Ap
C 15	122	5.9	499	3	US-09-949-016-1721	Sequence 1721, Ap
16	112.4	5.4	768	3	US-09-495-050A-10	Sequence 10, Appl
17	101	4.9	262	3	US-09-313-294A-2292	Sequence 2292, Ap
C 18	91.6	4.4	769	3	US-09-385-983-530	Sequence 530, App
C 19	79.8	3.9	227	3	US-09-490-609B-49	Sequence 49, Appl
C 20	70	3.4	601	3	US-09-949-016-59256	Sequence 59256, A
C 21	70	3.4	15148	3	US-09-949-016-13463	Sequence 13463, A
C 22	64.6	3.1	302	3	US-09-702-703-1002	Sequence 1002, Ap
C 23	64.6	3.1	302	3	US-09-736-457-1002	Sequence 1002, Ap
C 24	64.6	3.1	302	3	US-09-614-124B-1002	Sequence 1002, Ap

Db 301 AGTGGTCTGGATATTAATAATTAAGATGATGATGCCAGCACTTAATGTGAATATGAT 360
Qy |||||
Db 361 TTAGATAAGAAAAGAGAGATGCAATTTGTATATGCCATAAAAAATCAATTAATGTTACCG 420
Qy |||||
Db 361 TTAGATAAGAAAAGAGAGATGCAATTTGTATATGCCATAAAAAATCAATTAATGTTACCG 420
Qy |||||
Db 421 ATGTACATAGATGATTTACCAATATGGGGTATTTGTTGGTGAAGGCTGATGAAATGGAGAA 480
Qy |||||
Db 421 ATGTACATAGATGATTTACCAATATGGGGTATTTGTTGGTGAAGGCTGATGAAATGGAGAA 480
Qy |||||
Db 481 GATTACTATCTTTGGACCTATAAAAACTTGAAATAGTGTGTTTAAATGAAATCGAATTTGTT 540
Qy |||||
Db 481 GATTACTATCTTTGGACCTATAAAAACTTGAAATAGTGTGTTTAAATGAAATCGAATTTGTT 540
Qy |||||
Db 541 GATGTTAATCTAATAGTGAAGGAAGGTGAAATCTGGTTCCAAATACTAAATCCAGATG 600
Qy |||||
Db 541 GATGTTAATCTAATAGTGAAGGAAGGTGAAATCTGGTTCCAAATACTAAATCCAGATG 600
Qy |||||
Db 601 TCATATTCAGTAAATGGAATAAGTCAAGATGTGAAATTTGAAGATCGAATTTGACAAATAT 660
Qy |||||
Db 601 TCATATTCAGTAAATGGAATAAGTCAAGATGTGAAATTTGAAGATCGAATTTGACAAATAT 660
Qy |||||
Db 661 CTTGATCCGTCCTTTTCAACATCGGATTCATGTTTCAATTTTCAACTCCCTTCATG 720
Qy |||||
Db 661 CTTGATCCGTCCTTTTCAACATCGGATTCATGTTTCAATTTTCAACTCCCTTCATG 720
Qy |||||
Db 721 ATGTGATCTTTCTGGTGGGCTTAGTCTTCAATGATTTTAAATGAGAAATTAAGAAAAGAT 780
Qy |||||
Db 721 ATGTGATCTTTCTGGTGGGCTTAGTCTTCAATGATTTTAAATGAGAAATTAAGAAAAGAT 780
Qy |||||
Db 781 TATGCTCGGTACAGTAAAGGAAGAAATGATGATGATGATGATGATGATGATGATGATGATGAT 840
Qy |||||
Db 781 TATGCTCGGTACAGTAAAGGAAGAAATGATGATGATGATGATGATGATGATGATGATGATGAT 840
Qy |||||
Db 841 TATGATGGAAGAAAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
Qy |||||
Db 841 TATGATGGAAGAAAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
Qy |||||
Db 901 TCCTCTCTGATGTTCTGGATGTCAGATATTTGCTGTGTCCTCATCGTTATTTATGTT 960
Qy |||||
Db 901 TCCTCTCTGATGTTCTGGATGTCAGATATTTGCTGTGTCCTCATCGTTATTTATGTT 960
Qy |||||
Db 961 GCAATGATAGAGATTTATATACCTGAGAGGGGATCAATGCTCAGTACAGCATATTTGTC 1020
Qy |||||
Db 961 GCAATGATAGAGATTTATATACCTGAGAGGGGATCAATGCTCAGTACAGCATATTTGTC 1020
Qy |||||
Db 1021 TATGCTCTAGCTCCAGTGAATGGTTTATTTGGAGGAAGTCTGATGCTAGACAGGA 1080
Qy |||||
Db 1021 TATGCTCTAGCTCCAGTGAATGGTTTATTTGGAGGAAGTCTGATGCTAGACAGGA 1080
Qy |||||
Db 1081 GGAAGGATGGAATAAGACAGATGTTTATTTGGGCAATTCCTTATCCAGCTATGTTGTTG 1140
Qy |||||
Db 1081 GGAAGGATGGAATAAGACAGATGTTTATTTGGGCAATTCCTTATCCAGCTATGTTGTTG 1140
Qy |||||
Db 1141 GGCATGCTCTTCTCATCAATTTATAGCCATTTATACCATGCTTCAAGAGCCATTCCT 1200
Qy |||||
Db 1141 GGCATGCTCTTCTCATCAATTTATAGCCATTTATACCATGCTTCAAGAGCCATTCCT 1200
Qy |||||
Db 1201 TTTGGACAATGGTGGCGGTTGTTGATCTGTTTATTTTGTGTTTCTCTCTAAATCTTT 1260
Qy |||||
Db 1201 TTTGGACAATGGTGGCGGTTGTTGATCTGTTTATTTTGTGTTTCTCTCTAAATCTTT 1260
Qy |||||
Db 1261 GTTGGTACAATACCTATGCGGCAAAATCTGTGAGGTGAGCCCAACTTTCTGTCGTCAAT 1320
Qy |||||
Db 1261 GTTGGTACAATACCTATGCGGCAAAATCTGTGAGGTGAGCCCAACTTTCTGTCGTCAAT 1320
Qy |||||
Db 1321 GCTGTGCTGCTCTATACCGGAGAAAATGGTTTATGAGGCTCGGTTATGTTGTC 1380
Qy |||||
Db 1321 GCTGTGCTGCTCTATACCGGAGAAAATGGTTTATGAGGCTCGGTTATGTTGTC 1380
Qy |||||
Db 1381 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATGAAATGATTTTCACTTCCAGTCT 1440
Qy |||||

Db 1381 CTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTAAGAAATGATTTTCACTTCCAGTCT 1440
Qy |||||
Db 1441 TTCTGGGCATATAAGATCTATTATGTTATGCTTCAATGATGCTGCTGCTGTTATCTCTG 1500
Qy |||||
Db 1441 TTCTGGGCATATAAGATCTATTATGTTATGCTTCAATGATGCTGCTGCTGTTATCTCTG 1500
Qy |||||
Db 1501 TGCATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1560
Qy |||||
Db 1501 TGCATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1560
Qy |||||
Db 1561 TACCGGTGGCAATGGCAAGATTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620
Qy |||||
Db 1561 TACCGGTGGCAATGGCAAGATTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620
Qy |||||
Db 1621 TATTCCTTTTACTACTATTTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1680
Qy |||||
Db 1621 TATTCCTTTTACTACTATTTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1680
Qy |||||
Db 1681 TACTTTGGATATATGCGGTATTTAGCACAGCTTGGGATATGCTGAGGATGCTGCTGCTGCTG 1740
Qy |||||
Db 1681 TACTTTGGATATATGCGGTATTTAGCACAGCTTGGGATATGCTGAGGATGCTGCTGCTGCTG 1740
Qy |||||
Db 1741 TACATGGGAACAAGTCCCTTTTGTCCGAAAATCTATATACTAATGCTGAAAATTTGACTAGAGA 1800
Qy |||||
Db 1741 TACATGGGAACAAGTCCCTTTTGTCCGAAAATCTATATACTAATGCTGAAAATTTGACTAGAGA 1800
Qy |||||
Db 1801 CCCAAGAAAACCTGGAACTTTTGGATCAATTTCTTTTCTAGGGGTGGAACCTTGGCAGC 1860
Qy |||||
Db 1801 CCCAAGAAAACCTGGAACTTTTGGATCAATTTCTTTTCTAGGGGTGGAACCTTGGCAGC 1860
Qy |||||
Db 1861 AAAAAACAAAACCAAGCAAGAGATTTGGGCTTTTAACTTTTTTTTTTTTTTTTTTTTTT 1920
Qy |||||
Db 1861 AAAAAACAAAACCAAGCAAGAGATTTGGGCTTTTAACTTTTTTTTTTTTTTTTTTTTTT 1920
Qy |||||
Db 1921 TTTTTTTTTTTTTTACGAATGAGGCAATTTATTAACCCAGCATGTTGTTCTTAATGCT 1980
Qy |||||
Db 1921 TTTTTTTTTTTTTTACGAATGAGGCAATTTATTAACCCAGCATGTTGTTCTTAATGCT 1980
Qy |||||
Db 1981 TCTTTGTCAGTGGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040
Qy |||||
Db 1981 TCTTTGTCAGTGGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2040
Qy |||||
Db 2041 TCAGTTTGGCGGCTGCGAGCATGCTAGTA 2072
Qy |||||
Db 2041 TCAGTTTGGCGGCTGCGAGCATGCTAGTA 2072
Qy |||||

RESULT 2

US-09-786-681A-3
; Sequence 3, Application US/09786681A
; Patent No. 6692926
; GENERAL INFORMATION:
; APPLICANT: HIDAKA, Jun et al.
; TITLE OF INVENTION: RECOMBINANT HUMAN SM-11044-BINDING RECEPTOR PROTEINS EXHIBITING L
; TITLE OF INVENTION: BINDING ACTIVITIES, AND THEIR USES
; FILE REFERENCE: 0020-4827P
; CURRENT APPLICATION NUMBER: US/09/786,681A
; CURRENT FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 1827
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)..(1747)

Query Match 87.5%; Score 1814; DB 3; Length 1827;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1814; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY		61	GCGGCGGGCGCTGTGCCTGTGCTGTGCTGTGCTGTGCCCCGGAAGCCGGGCCGACAGCAGCAC	120
D _B		14	GCGGCGGGCGCTGTGCCTGTGCTGTGCTGTGCTGTGCCCCGGAAGCCGGGCCGACAGCAGCAC	73
QY		121	GAAACAAGTATCAAGATAAAGAGAAGACTTCCTTTATGGATGTAATACCTGTTGGGCCCCTAC	180
D _B		74	GAAACAAGTATCAAGATAAAGAGAAGACTTCCTTTATGGATGTAATACCTGTTGGGCCCCTAC	133
QY		181	CATAATCGTCAAGAAAACATAAAGTACTTTTTACCTTCCAATTTCTGTGGGGTGAAAAA	240
D _B		134	CATAATCGTCAAGAAAACATAAAGTACTTTTTACCTTCCAATTTCTGTGGGGTGAAAAA	193
QY		241	AGTATCAGTCAATTACCATTGAAACCTCTGGGAGAAGCATCTTCAAGGGGTTGAATTCGAATTT	300
D _B		194	AGTATCAGTCAATTACCATTGAAACCTCTGGGAGAAGCATCTTCAAGGGGTTGAATTCGAATTT	253
QY		301	AGTGGTCTGGATATTAAATTTAAAGATCATGCTGATGCCAGGCCACTTACTGTGAAATTTGAT	360
D _B		254	AGTGGTCTGGATATTAAATTTAAAGATCATGCTGATGCCAGGCCACTTACTGTGAAATTTGAT	313
QY		361	TTAGATAAAGAAAAGAGAGATGCAATTTGTATATGCCATAAAAAATCAATCTACTGTTACCAG	420
D _B		314	TTAGATAAAGAAAAGAGAGATGCAATTTGTATATGCCATAAAAAATCAATCTACTGTTACCAG	373
QY		421	ATGTACATAGATGATTTAACCAATATGGGGTATTTGTTGGTAGGGCTGATGAAATTCGAGAA	480
D _B		374	ATGTACATAGATGATTTAACCAATATGGGGTATTTGTTGGTAGGGCTGATGAAATTCGAGAA	433
QY		481	GATTTACTATCTTTTGGACCTATAAAAACTTCAAATAGGTTTTTAATGGAAATCGAATTTGTT	540
D _B		434	GATTTACTATCTTTTGGACCTATAAAAACTTCAAATAGGTTTTTAATGGAAATCGAATTTGTT	493
QY		541	GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAAATACCTAAAAATCCAGATG	600
D _B		494	GATGTTAATCTAACTAGTGAAGGAAAGGTGAAACTGGTTCCAAAATACCTAAAAATCCAGATG	553
QY		601	TCAATATTCAAGTAAAAATGGAAAAAGTCAGATGTGAAAATTTGAAGATCGAATTCGAAAAATAT	660
D _B		554	TCAATATTCAAGTAAAAATGGAAAAAGTCAGATGTGAAAATTTGAAGATCGAATTCGAAAAATAT	613
QY		661	CTTGATCGGTCCTTTTTTCAACATCGGATTCATTTGGTTTTTCAATTTTCAACTCCTTCATG	720
D _B		614	CTTGATCGGTCCTTTTTTCAACATCGGATTCATTTGGTTTTTCAATTTTCAACTCCTTCATG	673
QY		721	ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTTTAATGAGAAACATTAAGAAAAAGAT	780
D _B		674	ATGGTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTTTAATGAGAAACATTAAGAAAAAGAT	733
QY		781	TATGCTTCGGTACAGTAAAGAGGAAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA	840
D _B		734	TATGCTTCGGTACAGTAAAGAGGAAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA	793
QY		841	TATGGATGGAAAACAGGTGCATGGAGATGATTTTAGACCATCAAGTCAACCACATGATATTT	900
D _B		794	TATGGATGGAAAACAGGTGCATGGAGATGATTTTAGACCATCAAGTCAACCACATGATATTT	853
QY		901	TCCTCTCTGATTTGGTTCTCGGAATGTCCAGATTTTTCCTGTGTCCTCATCGTTATTATTGTT	960
D _B		854	TCCTCTCTGATTTGGTTCTCGGAATGTCCAGATTTTTCCTGTGTCCTCATCGTTATTATTGTT	913
QY		961	GCAATGATAGAAGATTTTATATCTAGAGAGGGGATCAATGTCTCAGTACAGCCATATTTGTC	1020
D _B		914	GCAATGATAGAAGATTTTATATCTAGAGAGGGGATCAATGTCTCAGTACAGCCATATTTGTC	973
QY		1021	TATGCTGTAGCTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA	1080
D _B		974	TATGCTGTAGCTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA	1033
QY		1081	GGAAGGAGATGGATAAAGACAGATGTTTATTGGGGCAATTCCTTATCCAGCTATGGTGCTGT	1140
D _B		1034	GGAAGGAGATGGATAAAGACAGATGTTTATTGGGGCAATTCCTTATCCAGCTATGGTGCTGT	1093
QY		1141	GGCACTGCCCTTCTTCATCAATTTTATAGCCATTTTATACATGCTTCAAGAGCCATTCCT	1200

[illegible]

```

RESULT 3
US-09-621-976-18829
; Sequence 18829, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 18829
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-18829

```

Query Match 21.4%; Score 444; DB 3; Length 444;

Best Local Similarity 100.0%; Pred. No. 1.5e-93;
Matches 444; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 550 CTAACCTAGTCAAGGAAAGGTGAACCTGGTCCAAATACTAAATCCAGATGTCATATTC 609
Db 1 CTAACCTAGTCAAGGAAAGGTGAACCTGGTCCAAATACTAAATCCAGATGTCATATTC 60
QY 610 GTAAATGGAAGAGTCAAGATGGAATTTGAAGATCGATTCACAAATATCTTGATCCG 669
Db 61 GTAAATGGAAGAGTCAAGATGGAATTTGAAGATCGATTCACAAATATCTTGATCCG 120
QY 670 TCCTTTTTCACATCGGATTCATTTGTTTCAATTTTCACTCCCTTCATGATGGTGATC 729
Db 121 TCCTTTTTCACATCGGATTCATTTGTTTCAATTTTCACTCCCTTCATGATGGTGATC 180
QY 730 TTTCTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAGAAAGATTATGCTCGG 789
Db 181 TTTCTGGTGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAGAAAGATTATGCTCGG 240
QY 790 TACAGTAAAGAGGAAAGAAATGGATGATATCGATAGAGACCTAGGAGATGAATATGATGG 849
Db 241 TACAGTAAAGAGGAAAGAAATGGATGATATCGATAGAGACCTAGGAGATGAATATGATGG 300
QY 850 AAACAGTGCATGAGATGATTTAGACCATCAAGTCAACCCACTGATATTTTCTCTCTG 909
Db 301 AAACAGTGCATGAGATGATTTAGACCATCAAGTCAACCCACTGATATTTTCTCTCTG 360
QY 910 ATTGGTTCTGATGTCAGATATTTGCTGTCTCTCATCGTTATTTGTTGCAATGATA 969
Db 361 ATTGGTTCTGATGTCAGATATTTGCTGTCTCTCATCGTTATTTGTTGCAATGATA 420
QY 970 GAAGATTATATATCTAGAGGGGA 993
Db 421 GAAGATTATATATCTAGAGGGGA 444

RESULT 4

US-09-513-999C-3708
; Sequence 3708, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 3708
; LENGTH: 440
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 180..440
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 151
; OTHER INFORMATION: m=a or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 155
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 162
; OTHER INFORMATION: k=g or t
; FEATURE:

NAME/KEY: misc_feature
LOCATION: 184
OTHER INFORMATION: n=a, g, c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 323
OTHER INFORMATION: w=a or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 343
OTHER INFORMATION: n=a, g, c or t
FEATURE:
NAME/KEY: misc_feature
LOCATION: 397
OTHER INFORMATION: m=a or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 400
OTHER INFORMATION: m=a or c
FEATURE:
NAME/KEY: UNSURE
LOCATION: 2
OTHER INFORMATION: Xaa=Lys or Met or Arg or Thr
FEATURE:
NAME/KEY: UNSURE
LOCATION: 55
OTHER INFORMATION: Xaa=Ala or Asp or Gly or Val
FEATURE:
NAME/KEY: UNSURE
LOCATION: 73
OTHER INFORMATION: Xaa=Ala or Asp
FEATURE:
NAME/KEY: UNSURE
LOCATION: 74
OTHER INFORMATION: Xaa=Lys or Thr
US-09-513-999C-3708

Query Match 18.5%; Score 383.4; DB 3; Length 440;
Best Local Similarity 95.7%; Pred. No. 1.8e-79;
Matches 420; Conservative 5; Mismatches 8; Indels 6; Gaps 3;
QY 638 TTGAAGATCGATTTGACAAATATCTTGATCCGCTCTTTTCAACATCGGATTCATGGT 697
Db 2 TTGAAGATCGATTTGACAAATATCTTGATCCGCTCTTTTCAACATCGGATTCATGGT 61
QY 698 TTTCAATTTTCACTCTTCATGATGGTGATCTTCTTGTTGGGCTTAGTTTCAATGATTT 757
Db 62 TTTCAATTTTCACTCTTCATGATGGTGATCTTCTTGTTGGGCTTAGTTTCAATGATTT 121
QY 758 TAATGAGAACATTAAGAAAG---ATTATGCTCGGTACAGTAAAGAGGAAGAAATGGAT 813
Db 122 TAATGAGAACATTAAGAAAGAAATTAATGCTCGGTACAGTAAAGAGGAAGAAATGGAT 181
QY 814 GAT-ATGATAGAGACCTAGGAGATGAATATGATGGTGAACAGGTGTCATGAGATGATTT 872
Db 182 GATGATGATAGAGACCTAGGAGATGAATATGATGGTGAACAGGTGTCATGAGATGATTT 241
QY 873 TAGACCATCAAGTCAACCACTGATATTTTCTCTCTGATGGTCTGATGTCAGATATTT 932
Db 242 TAGACCATCAAGTCAACCACTGATATTTTCTCTCTGATGGTCTGATGTCAGATATTT 301
QY 933 TGCTGTGCTCTCATCGTTATTTTGTGCAATGATAGAAAGATTTATATCTGAGAGGGG 992
Db 302 TGCTGTGCTCTCATCGTTATTTTGTGCAATGATAGAAAGATTTATATCTGAGAGGGG 361
QY 993 ATCAATGCTCAGTACAGGACATATTTGTCATGCTGCTAGTCT-CCAGTGAATGGTATTT 1051
Db 362 ATCAATGCTCAGTACAGGACATATTTGTCATGCTGCTAGTCTCTCCAGTGAATGGTATTT 421
QY 1052 TTGGAGGAAGTCTGTATGC 1070
Db 422 TTGGAGGAAGTCTGTATGC 440

RESULT 5
US-09-270-767-679/c
; Sequence 679, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 679
; LENGTH: 771
; TYPE: DNA
; ORGANISM: *Drosophila melanogaster*
US-09-270-767-679

Query Match 17.8%; Score 369.8; DB 3; Length 771;
Best Local Similarity 67.7%; Pred. No. 3.2e-76;
Matches 518; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

QY 610 GTAAATGGAAGAGTCAAGATGTAATTTGAGATCGATTTGACAAATATCTTGATCCG 669
DB 765 GTCNACTGGAGCCAGCAGAGTGGAGTTCAAGATCGATTCGACAAAGTACCTGGATCCC 706
QY 670 TCCTTTTTCACACATCGGATTCATTTGTTTCAATTTTCAACTCTTCATGATGGTGATC 729
DB 705 AACTTCTTCAGACAGAGTCCACTGGTTCAGCATCTTCAACAGCTTCATGATGGTCAATC 646
QY 730 TTCTGTGGGCTTAGTTTCAATGATTTTAAATGAGAAATTAAGAAAGATTTATGCTCGG 789
DB 645 TTCTGTGGGCTTAGTTTCAATGATTTTAAATGAGAAATTAAGAAAGATTTATGCTCGG 586
QY 790 TACAGTAAAGAGAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 849
DB 585 TACAGTAAAGAGAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 526
QY 850 AAGCAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 909
DB 525 AAGCAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 466
QY 910 ATTGGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 969
DB 465 GTGGGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 406
QY 970 GAAGATTTATATCTAGAGAGGAGATCAATGCTCAGTACAGCCATATTTGCTATGCTGCT 1029
DB 405 GGTGAATTTGATACAGGAAACGGGCTCATGCTGCTCAGCCCAACACTGCTCTCTCGGCTG 346
QY 1030 ACGTCTCCAGTCAATGATTTTTCGAGGAGTCTGTATGCTAGACAGAGAGAGAGAGA 1089
DB 345 ACCTCACCATCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 286
QY 1090 TGGATTAAGCAGATGATTTTGGGCAATTCCTTATCCAGCTATGCTGTGTCGCTGCC 1149
DB 285 TGGATCCGACAGATGCTGGTGTCCGCTTTTACAGTTCCAGTGGCTGTGTGTCGCGCACGGCT 226
QY 1150 TTCTTCATCAATTTATAGCAATTTATACCATGCTTCAAGAGCCATTCCTTTTGAACA 1209
DB 225 TTCTTCATCAATTTATAGCAATTTATACCATGCTTCAAGAGCCATTCCTTTTGAACA 166
QY 1210 ATGGTGGCGGTTTGTGATCTGTTTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 1269
DB 165 ATGGTGGCGGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 106
QY 1270 ATACTTGGCGGAAATCTGTGATGATGATGATGATGATGATGATGATGATGATGATG 1329
DB 105 GTCTGGCGGCGAATCTGGAGCGGCAACCGGACTTTTCCATGCGCGGTCAACCGGCTGCCA 46
QY 1330 CGTCTTATACCGAGAGAAATGTTTTCATGAGGCTGCGGTTATT 1374

DB 45 CGACCCATTCCCGAAAAAGAGTGGTATAGTAGGCCACTGATTATT 1

RESULT 6
US-09-270-767-15961/c
; Sequence 15961, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15961
; LENGTH: 771
; TYPE: DNA
; ORGANISM: *Drosophila melanogaster*
US-09-270-767-15961

Query Match 17.8%; Score 369.8; DB 3; Length 771;
Best Local Similarity 67.7%; Pred. No. 3.2e-76;
Matches 518; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

QY 610 GTAAATGGAAGAGTCAAGATGTAATTTGAGATCGATTTGACAAATATCTTGATCCG 669
DB 765 GTCNACTGGAGCCAGCAGAGTGGAGTTCAAGATCGATTCGACAAAGTACCTGGATCCC 706
QY 670 TCCTTTTTCACACATCGGATTCATTTGTTTCAATTTTCAACTCTTCATGATGGTGATC 729
DB 705 AACTTCTTCAGACAGAGTCCACTGGTTCAGCATCTTCAACAGCTTCATGATGGTCAATC 646
QY 730 TTCTGTGGGCTTAGTTTCAATGATTTTAAATGAGAAATTAAGAAAGATTTATGCTCGG 789
DB 645 TTCTGTGGGCTTAGTTTCAATGATTTTAAATGAGAAATTAAGAAAGATTTATGCTCGG 586
QY 790 TACAGTAAAGAGAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 849
DB 585 TACAGTAAAGAGAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 526
QY 850 AAGCAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 909
DB 525 AAGCAGGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 466
QY 910 ATTGGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 969
DB 465 GTGGGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 406
QY 970 GAAGATTTATATCTAGAGAGGAGATCAATGCTCAGTACAGCCATATTTGCTATGCTGCT 1029
DB 405 GGTGAATTTGATACAGGAAACGGGCTCATGCTGCTCAGCCCAACACTGCTCTCTCGGCTG 346
QY 1030 ACGTCTCCAGTCAATGATTTTTCGAGGAGTCTGTATGCTAGACAGAGAGAGAGAGA 1089
DB 345 ACCTCACCATCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 286
QY 1090 TGGATTAAGCAGATGATTTTGGGCAATTCCTTATCCAGCTATGCTGTGTCGCTGCC 1149
DB 285 TGGATCCGACAGATGCTGGTGTCCGCTTTTACAGTTCCAGTGGCTGTGTGTCGCGCACGGCT 226
QY 1150 TTCTTCATCAATTTATAGCAATTTATACCATGCTTCAAGAGCCATTCCTTTTGAACA 1209
DB 225 TTCTTCATCAATTTATAGCAATTTATACCATGCTTCAAGAGCCATTCCTTTTGAACA 166
QY 1210 ATGGTGGCGGTTTGTGATCTGTTTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGT 1269
DB 165 ATGGTGGCGGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 106
QY 1270 ATACTTGGCGGAAATCTGTGATGATGATGATGATGATGATGATGATGATGATGATG 1329
DB 105 GTCTGGCGGCGAATCTGGAGCGGCAACCGGACTTTTCCATGCGCGGTCAACCGGCTGCCA 46
QY 1305 GTCTGGCGGCGAATCTGGAGCGGCAACCGGACTTTTCCATGCGCGGTCAACCGGCTGCCA 46

Db 61 AGATCTACTACGCTTACGGCTTCATGTTGGTGGTTCAGCATCCTGACTGTGTCACCG 120
Qy 1514 TCTGTGACATATTGTGACATATTTCTACTAAATGACAGATTTACCGTGGCAAT 1573
Db 121 TGTGGTCAACATCGTGTGACCTACTCTCTGCTAAATGCGAGATTTACGATGGCAGT 180
Qy 1574 GGACAAAGTTTCTCTGCTGCATCACTGCAATCTATGTTTATACATGATTTCTTTTACT 1633
Db 181 GGACGAGTTTTCATGGCTCGGGCTCCACGTCGATTTAGCTGACGCTATTTCTTCTATT 240
Qy 1634 ACTATTTTTCACAAACAAAGATGATGCTTATTTCAACATCATTTTACTTTGATATA 1693
Db 241 ACTTCTTCTTTAAACCAAAATGTTGGTCTGTGTTCCAAACGGCTTCTACTTTGGCTACA 300
Qy 1694 TGGCGGTATTTAGCACAGCTTTGGGGAATAATGTGAGGAGCAATTTGTTACATGGGAACAA 1753
Db 301 TGGCACTCTTCAGCGGGCTTTGGCATTAATCTGGGCACCGTCTGCTATGTGGGCACGA 360
Qy 1754 GTGCGTTTGTCCGAAATCTATATCTATTAATGTGAAATTTGACTAGAGACC 1803
Db 361 ATCTCTTTGTGCGCAAAATCTATTCCTCAATGTGAAATAGACTAAGAGCCC 410

RESULT 10

US-09-949-016-3623
; Sequence 3623, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3623
; LENGTH: 2391
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-3623

Query Match 11.0%; Score 227.6; DB 3; Length 2391;
Best Local Similarity 51.9%; Pred. No. 5.5e-43;
Matches 596; Conservative 0; Mismatches 534; Indels 18; Gaps 3;
Qy 656 AATATCTTGATCCGCTCTTTTCAACATCGGATTCATGTTGTTTCAATTTCACTCTCT 715
Db 996 ACTATATTTCTGGGTCTATGCTCTCATACCCACATTCAGTGGTTAGCATTAATGAATCCC 1055
Qy 716 TCATGATGATGATCTCTCTGTTGGCTTAGTTTCAATGATTTTAAATGAGAACATTAAGAA 775
Db 1056 TGGTCATGTTCTCTTCTATCTGGAATGGTAGTATGATTTAGTACGACACTGCACA 1115
Qy 776 AAGATTATGCTCGGTACAGTAAAGAGGAGAAATGGATGATATGATAGACCTAGAG 835
Db 1116 AAGATTATGCTAGATATAATCAGATGGACTCTACGGAAGATGCCAG-----G 1163
Qy 836 ATGAATATGATGGAACAGTGCATGAGATCTATTAGACCATCAAGTCACCCACTGA 895
Db 1164 AAGAAATTTGGCTGAAACTTCTCATGTTGATATATTCGCTCCCAAGAAAGGGATGC 1223
Qy 896 TATTTTCTCTCTGATGTTGTTCTGATGTCAGATGTTGCTGCTCTCTCATCTGTTATTA 955
Db 1224 TGCTATAGTCTTTCTAGGATCCGGACACAGATTTTAAATGACCTTTGTGACTCTAT 1283

Qy 956 TTGTTGCAATGATAGAAATTTATATATCTGAGAGGGATCAATGCTCAGTAC---AGCCA 1012
Db 1284 TTTTTCGCTTGGCTGGGATTTTGTCTCACCTGCCAACGAGAGCGCTGATGACGTGTGCTG 1343
Qy 1013 TATTTGCTATGCTGCTAGTCTCCAGTGAATGGTTTATTTTGGAGGAAGTCTGTATGCTA 1072
Db 1344 TGTCTCTGTTGGGTGCTGCTGGGCACCCCTGCGAGCTATGTTGCTGCCAGATTTCTATNAAGT 1403
Qy 1073 GACAGAGGAGGAGATGATTAAGCAGATGTTTATTTGGGGCATTCCTTTATCCAGCTA 1132
Db 1404 CTTTGGAGGTGAGAAAGTGGAAAACAAATGTTTATTAACATCATTTCTTTGCTCTGGGA 1463
Qy 1133 TGTGTTGGCCTGCTCTTCTTCTCATCAATTTCTAGCCATTTTATTAACCATGCTTCAAGAG 1192
Db 1464 TTGTAATTTGCTGACTTCTTTTATTAATGAATCTGATCTCTGCGGAGAGAGATCTTCAGCAG 1523
Qy 1193 CCATTCCTTTTGGAAACAATGTTGGCGGTTTGTGTCATCTGTTTGTGTTTGTGTTTCTTCTCT 1252
Db 1524 CTATTCCTTTTGGGACACTGTTTGGCCATATTTGGCCCTTTGGTTCTGCATATCTGTGCTCT 1583
Qy 1253 TAAATCTGTTGTTGTAACAATCTTGGCCGAAATCTGTGAGTCAAGCCCACTTTCTCTTGTCT 1312
Db 1584 TGACGTTTATTTGGTGCATATCTTTGGTTTTAAAGAAAGATGCCATTGAACAC---CCAGTTC 1640
Qy 1313 GTGTCATGCTGTGCTCTGCTCTATACCGGAGAAAAAATGGTTTCATGGAGCCTGCGGTTA 1372
Db 1641 GAACCAATCAGATTCCACGTCAGATTCCTGAAACAGTCTGTTCTACAGAAAGCCCTTGCGCTG 1700
Qy 1373 TTGTTTGGCTGGGTGGAAATTTTACCTTTTGGTTTCAATCTTTTATTTGAAATGATTTTCACTCT 1432
Db 1701 GTATTAATCAGAGGAGGATTTTGGCTTTGGCTGCATCTTTATACAACTTTTCTTCACTTC 1760
Qy 1433 TCACGCTTTTCTGGGCATATAAGATCTATATGCTCTATGCTTTTATGATGCTGCTGCTGCTG 1492
Db 1761 TGAATAGTATTTGGTCAACACAGATGATTAACATGTTTGGCTTCTCTATTTCTGGTGTTA 1820
Qy 1493 TTAATCTGTCATTGTCATGCTGTGTCATTTTGTGTCATTTTGTGTCATTTTCTACTAAATG 1552
Db 1821 TCATTTTGGTTATTAATCTGTTCTGAAAGCAACTATCTCTTCTGCTATTTTCCACTATGCTG 1880
Qy 1553 CAGAAGATTACCGTGGCAATGGAACAAGTTTCTCTGCTGCATCAATGCAATCTATG 1612
Db 1881 CAGAGATTAATCATTTGGCAATGCGTTTCTCTTACGAGTGGCTTTACTGCGATTTATT 1940
Qy 1613 TTTACATGATTTCTTTTACTACTATTTTTCAAAACAAGATGATGCTGCTATTTTCAA 1672
Db 1941 TCTTAATCTATGCACTACTTCTTTTCAAACTGACAGATCAGCGGAACAGCAAGCA 2000
Qy 1673 CATCATTTTACTTTGGATATATGCGGTATTTAGCACAGCCTTGGGGAATAATGTTGAG 1732
Db 2001 CAATCTGATCTTTGGTTATACCATGATTAATGTTTGTGATCTTCTTTTACAGGAA 2060
Qy 1733 CGATTTGTTACATGGAACAAGTGGCTTTGTCCGAAAAATCTATACATAATGTTGAAAAATG 1792
Db 2061 CAATGCTCTTTGCTGCTGCTTTGCTTTGTTTGTACCAAAATATACAGTGTGTGAGGTTG 2120
Qy 1793 ACTAGAGA 1800
Db 2121 ACTGAAGA 2128

RESULT 11

US-08-959-004-6
; Sequence 6, Application US/08959004
; Patent No. 6197543
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; APPLICANT: Kaser, Matthew
; TITLE OF INVENTION: HUMAN VESICLE MEMBRANE PROTEIN-LIKE

;; TITLE OF INVENTION: PROTEINS
;; NUMBER OF SEQUENCES: 11
;; CORRESPONDENCE ADDRESS:
;; ADDRESS: Incyte Pharmaceuticals, Inc.
;; STREET: 3174 Porter Drive
;; CITY: Palo Alto
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94304
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FASSEQ for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/959,004
;; FILING DATE: Herewith
;; CLASSIFICATION: 514
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Billings, Lucy J.
;; REGISTRATION NUMBER: 36,749
;; REFERENCE/DOCKET NUMBER: PF-0414 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 650-855-0555
;; TELEFAX: 650-845-4166
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 6:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2805 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:
;; LIBRARY: ADREUT06
;; CLONE: 2822412
;; US-08-959-004-6

Query Match 11.0%; Score 227.6; DB 3; Length 2805;
Best Local Similarity 51.9%; Pred. No. 5.8e-43;
Matches 596; Conservative 0; Mismatches 534; Indels 18; Gaps 3;

Qy 656 AATATCTTGATCCGCTCTTTTCAACATCGGATCATATGTTTCAATTTTCAATCTCT 715
Db 1044 ACTATATCTGAGTCTATGCTCATACCCACATTCAGTGGTTAGCAATTATGAATCCC 1103

Qy 716 TCATGATGTCATCTCTTGGTGGCTTAGTTTCAATGATTTTAAATGAGACATTAGAA 775
Db 1104 TGGCAATGTTCTCTTCTTATCTGGAATGGTAGCTATGATTTATGTACGGACCTGCACA 1163

Qy 776 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATGATGATGAGACCTAGGAG 835
Db 1164 AAGATATTGCTAGATATAATACAGATGGACTCTACGGAAGATGCCAG-----G 1211

Qy 836 ATGAATATGATGGAACAGAGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 895
Db 1212 AAGAAATTTGGTGGAACTTTGTCATGTCATATATTCGCTCCCAAGAAAGGGATGC 1271

Qy 896 TATTTCTCTCTGATGTCGATGTCAGATATTTGCTGTCCTCATCGTTATTA 955
Db 1272 TGCTATCAGTCTTCTAGATCCGGGACACAGATTTTAAATGATGACCTTTGTGACTAT 1331

Qy 956 TTGTTGCAATGATGAAGATTTATATCTAGAGGGGATCAATGCTCAGTAC---AGCCA 1012
Db 1332 TTTTGGCTTGGATTTTGTACCTGCCAACCGAGGAGCGCTGATGACGCTGCTG 1391

Qy 1013 TATTTGCTATGCTCTACGCTCCAGTGAATGTTATTTGGAGGAGTCTGTATGCTA 1072
Db 1392 TGGTCTGTGGGTGCTGCTGGGCACCCCTGCAGGCTATGTTGCTGCCAGATTTCTATAAGT 1451

Qy 1073 GACAAGGAGGAGGAGGATGAAGACAGATGTTTATTTGGGGCATTCCTTATCCAGCTA 1132

Db 1452 CTTTGGAGGTGAGAGTGGAAACAAATGTTTATTAACATCATTTCTTTGTCTCTGGGA 1511
Qy 1133 TGGTGTGTGGCACTGCCCTTCTTCATCAATTTTCATAGCATTATTAACATGCTTTCAAGAG 1192
Db 1512 TTGTAATTTGCTGACTTCTTTTATAATGAATCTGATCCTCTCGGGGAGAGGATCTTTCAGCAG 1571
Qy 1193 CCATTCCTTTTGGAAACATGSGTGGCGGTTTGGTGGCATCTGTTTGGTGTATTTCTTCTC 1252
Db 1572 CTATTCCTTTTGGGACACTGGTTGGCCATATTTGCCCTTTGGTTCGTCATATCTGTGCTC 1631
Qy 1253 TAAATCTTGTGTGTAACAATCTTGGCGGAATCTGTGAGTTCAGCCCACTTTCTTGTCT 1312
Db 1632 TGACGTTTATTTGGTGCATCTTGGTTTAAAGAAATGCCATGGAACAC---CCAGTTC 1698
Qy 1313 GTGTCAATGCTGTGCTGCTGCTTATACCGGAGAAAAAANGTTTCATGAGCCCTGCGGTTA 1372
Db 1689 GAACCAATCAGATTCACAGCTCAGATTCCTGAACAGTCTGTACACGAGCCCTTGCCTG 1748
Qy 1373 TTGTTTGGCTGGTGGAAATTTTACCTTTTGGTTTCAATCTTTTATTTGAATGATTTTCACT 1432
Db 1749 GTATTATCATGGGAGGATTTTGGCTTTGGCTGCTGTCATCTTTTATACAACATTTCTTCA 1808
Qy 1433 TCAGCTCTTTCTGGGCATATAAGATCTATTATCTGCTATGCTTTCATGATGCTGTGCTGG 1492
Db 1809 TGAATAGTATTTGGTCAACACAGATTTTACATGTTTGGCTTCTCTATTTCTGGTGTTA 1868
Qy 1493 TTATCTGTGTCATTTGTGACTGCTGTGTGACTATTTGTGTCACATATTTTCTACTAAATG 1552
Db 1869 TCATTTTGGTTATTCTCTGTTCTGAAGCACTATATCTTCTGCTATTTTCCACCTATGTG 1928
Qy 1553 CAGAAGATACCGTGGCATGCAAGTTTCTCTGCTGTCATCACTCACTGCTATGCTATG 1612
Db 1929 CAGAGGATATCATTTGGCAATGCGCTTCACTTCTTACGAGTGGCTTTTCTGCTGCTAT 1988
Qy 1613 TTTACATGATTTCTTTTACTACTATTTTCAAAACAAAGATGATGGCTTATTTTCAAA 1672
Db 1989 TCTTATCTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2048
Qy 1673 CATCATTTTACTTTGGATATATGCGGTATTTAGCACAGCCTTTGGGGATTAATGTGTGAG 1732
Db 2049 CAATTCGTACTTTGGTTATACCATGATGATGATGATGATGATGATGATGATGATGATG 2108
Qy 1733 CGATTGTTACATGGAACAGTGGCTTTGTCGGAATATCTATCTAATGTCGAAATTTG 1792
Db 2109 CAATGGCTTCTTTGTCATGCTTTTGGTTTGTACCAAAATATACAGTGTGGTGAAGTTG 2168
Qy 1793 ACTAGAGA 1800
Db 2169 ACTGAGA 2176

RESULT 12
US-10-104-047-1699
; Sequence 1699, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1699
; LENGTH: 1878
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-104-047-1699

Query Match 10.9%; Score 226; DB 3; Length 1878;

	Best Local Similarity	51.8%	Pred. No. 1.2e-42;	Matches 595;	Conservative	0;	Mismatches 535;	Indels	18;	Gaps	3;
Qy	656	AATATCTTGATCCGCTCTTTT	CAACATCGGATTCATTTGGTTTTCAATTTTCAACTCTCT	715							
Db	693	ACTATATCTGGAGTCTATGCTCT	CATACCCACATTCAGTGGTTAGCATATATGAATTTCCC	752							
Qy	716	TCATGATGGTGATCTCTCTTGGTGGGCTT	AGTTTCAATGATTTTAAATGAGAACTAATGAA	775							
Db	753	TGGTCATTTGTTCTCTCTTATCTGGAATGGT	TATGATTTATGTTACGGACACTGCACA	812							
Qy	776	AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTTAGGAG	835								
Db	813	AAGATATTTGCTAGATATATTAATCAGATGGACTCTACGGAAATGCCCCAG	-----G	860							
Qy	836	ATGAATATGGAATGGAACAGGTGATGAGATGATTTAGACCATCAAGTCACCCACTGA	895								
Db	861	AAGAATTTGGCTGGAACCTGTTTCATGCTGATATATTCGGTCTCCAGAAAGGGATGC	920								
Qy	896	TATTTTCTCTCTGATTTGGTTCTCGATGTCAGATATTTGCTGTGTCCTCATTCGTTATTA	955								
Db	921	TGCTATCAGTCTTTCTAGGATCCGGGACACAGATTTTAAATATGACCTTTGTGACTCTAT	980								
Qy	956	TTGTTGCAATGATAGAAGATTTATATCTGAGAGGGGATCAATGCTCAGTAC	---AGCCA	1012							
Db	981	TTTTTCGCTTGCTCGGATTTTGTGACCTGCTCAACCGGAGGAGCCTGATGACGTGTGCTG	1040								
Qy	1013	TATTTGCTATGCTGCTACGTCTCCAGTGAATGTTATTTTGGAGGAAGTCTGTATGCTA	1072								
Db	1041	TGGTCTGTGGTGCTGCTGGGACCCCTGCAGGCTATGTTGCTGCCAGATTCTATTAAGT	1100								
Qy	1073	GACAAGGAGGAAGGATGGAATGAAGCAGATGTTTATTTGGGGCAATCTCTTATCCAGCTA	1132								
Db	1101	CCTTTGGAGGTGAGAAGTGGAAAAACAATGTTTATTAACAATCATTTCTTTGTCTCGGA	1160								
Qy	1133	TGGTGTGGCACTGCCTCTTTCATCAATTCATAGCCATTTATTAACAATGCTTCAGAG	1192								
Db	1161	TTGTATTTGCTGACTCTCTTATATGAATCTGATCCCTCGGGAGAAAGGATCTTCACGAC	1220								
Qy	1193	CCATTCCTTTTGGAAACAATGGTGGCCGTTTGTTCGATCTGTTTTTTTGTATTTCTTCTC	1252								
Db	1221	CTATTCCTTTTGGGACACTGGTTGCCATATGGGCCCTTTGGTCTGCATATCTGTGCTC	1280								
Qy	1253	TAAATCTTGTGGTGAACAATCTCTGGCCGAAATCTGTGAGTTCAGCCCAACTTCTTGTCT	1312								
Db	1281	TGACGTTTATTTGGTGCTACTTTTGGTTTTAAGAAGATGCCATTTGAACAC	---CCAGTTC	1337							
Qy	1313	GTGTCAATGCTGTGCCCTGCTCTATACCGGAGAAAAATGGTTTCATGGAGCCTCGGTTA	1372								
Db	1338	GAACCAATCAGATTTCCACGTCAGATCTCTGAACAGTCTGTTCTACAGAACCCCTTGCC	1397								
Qy	1373	TTGTTTGGCTGGGTGGAAATTTTACCTTTGGTTCAAATCTTTATTTGAATGTTATTCATCT	1432								
Db	1398	GTATTTATCTGGGAGGATTTTGGCCCTTTGGCTGCATCTTTATACAACTTTCTTCAATC	1457								
Qy	1433	TCACGCTCTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGTGCTGG	1492								
Db	1458	TGAATAGTATTTGGTTCACACAGATGATTTACATGTTTGGCTTCTCTATTTCTGGTGTTA	1517								
Qy	1493	TTATCTGTGCAATTTGCTGACTGTCTGTGACTATTTGTGTCACATATTTTCTTACTAATG	1552								
Db	1518	TCATTTTGGTTATTAACCTGTTCTGAAGCAACTATACTTCTTTGCTATTTTCCACCTATGTG	1577								
Qy	1553	CAGAAGATTAACCGTGGCAATGGACAAGTTTCTCTGCTGTCATCAACTGCAATCTATG	1612								
Db	1578	CAGAGGATTTATCATTTGGCAATGGCGTTTCCTTACAGTGGCTTTTACTGCACTTTATTT	1637								
Qy	1613	TTTATCATGTATTCCTTTTACTACTATTTTTCAAAAACAAGATGATGGCTTATTTCAA	1672								
Db	1638	TCITTAATCTATGCAGTACACTACTTCTTTTCAAACCTGCAGATCAACGGAAACGACG	1697								
Qy	1673	CATCATTTTACTTTTGGATATATAGCGGTATTTTAGCAACGCCCTTGGGATTAATGTGTGAG	1732								

```

Db      1698  CAATCTGTGACTTTGGTTATACCATGATGAAGTGGTTTGTGATCTTCTTTTACAGGAA 1755
Qy      1733  CGATTGGTTACATGGGAAACAAGTCCCTTTGTCCGAAAAATCTATATCAATGTGAAAAATTG 1792
Db      1758  CAATGGCTCTTTGTATGCTTTTGGTTTGTACCAAAATATACAGTGTGGTGAAGTTG 1817
Qy      1793  ACTAGAGA 1800
Db      1818  ACTGAAGA 1825

RESULT 13
US-09-270-767-14715
; Sequence 14715, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14715
; LENGTH: 995
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-14715

Query Match 7.8%; Score 161.2; DB 3; Length 995;
Best Local Similarity 59.3%; Pred. No. 1.1e-27;
Matches 274; Conservative 0; Mismatches 188; Indels 0; Gaps 0;

Qy      95   TGCCCCGGACCCGGCGGAGCAGCAGAACACACGCTATCAAGATAAAGAGGAAGTTGTCT 154
Db      532  TGTCACTCTCCCGGCGAGATGAGCAATCACAAGTACAATGACCCGGGAGGAGTGGTAC 591
Qy      155  TATGGATGAATACTGTGGGCCCTACCAATAATCGTCAAGAAACATATAAGTACTTTTCAC 214
Db      592  TGTGGATGAACACGGTGGGCCCGGTACCACAATCGGCGAGAGCTACCGGTACTTCTCTC 651
Qy      215  TTCATCTCTGTGGGGTCAAAAAAAGTATCAGTCAATTACCATGAAATCTCTGGGAGAAG 274
Db      652  TCCCTTTTGCAGTGGCCAAAGTCTCTGATATCCACTTACCACGAGACGCTGAGCGAGS 711
Qy      275  CACTTCAAGGGTGTGAATTGGAAATTPAGTGGTCTGGATATTAAATTTAAAGATGATGA 334
Db      712  CGCTGCAAGGAGTCGAGCTGGAGTTTCAGTGGGTACGAGATGGATTCAAGAGCGACGCC 771
Qy      335  TGGCACCCACTTACTGTGAAATTTGATTTAGATAAAGAAAGAGAGATGCAATTTGTATATG 394
Db      772  CCAAAATCGGTCACTCTGATGGTCACTCCCTTCGAGGAGAGCGCCAAAGGCATTTACCTATG 831
Qy      395  CCATAAAATCATCTACTGTGTCACGAGTGTACATAGCATATTTACCAATATGGGTATTG 454
Db      832  CCGTGAAGAACCGAGTACTGGTACCAAAATGTACATGATGGAATCTGCCCATTTGGGGAAG 891
Qy      455  TTGGTCAGGCTGATGAAATGGAGAAGATTACTATCTTTGGACCTATAAAAACTTTGAAA 514
Db      892  TCGGTGAGCGGACGAGCCGATGCCAGTACTATATCTTTCACGCACAGAAGTTCGACA 951
Qy      951  TAGGTTTTAATGAAATCGAATTTGTTGATGTTTAATCTAACTA 556
Db      952  TCGGCTACAAATGCCAGCAAAATCGTGGATATCAACCTGACCA 993

```

RESULT 14
US-09-248-796A-6208
; Sequence 6208, Application US/09248796A
; Patent NO. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND

; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.132

; CURRENT APPLICATION NUMBER: US/09/248,796A

; CURRENT FILING DATE: 1999-02-12

; PRIOR APPLICATION NUMBER: US 60/074,725

; PRIOR FILING DATE: 1998-02-13

; PRIOR APPLICATION NUMBER: US 60/096,409

; PRIOR FILING DATE: 1998-08-13

; NUMBER OF SEQ ID NOS: 28208

; SEQ ID NO 6208

; LENGTH: 726

; TYPE: DNA

; ORGANISM: Candida albicans

US-09-248-796A-6208

Query Match 6.4%; Score 132.8; DB 3; Length 726;

Best Local Similarity 51.0%; Pred. No. 3.8e-21;

Matches 367; Conservative 0; Mismatches 347; Indels 6; Gaps 2;

QY 1078 GGAGGAGGAGATGATAAAGCAGATGTTATTGGGCATTCCTTATCCAGCTATGGTG 1137

Db 13 GGTGGTGACAAATGGAAATGAATATGTTTGTGACACAGTTTGTAGTACCAAGGATTTTG 72

QY 1138 TGTGGCACTGCCTTCTTCATCAATTCATAGCCATTTATTACCATGCTTCAAGAGCCATT 1197

Db 73 TCTCTGGTTTCGTTGTGTTGAATTCCTTTTAATTCAGTACAACTCTTCTGGTCTATT 132

QY 1198 CTTTTGGAAAGTGGTGGCGGTTTGTGCATCTGTTTTTGTATTCTTCTCTCAAAAT 1257

Db 133 CATATGGGGCAATGTTTGGCAATGTCTTAATTTGGTTTCATTTATATGATTCATTAAGT 192

QY 1258 CTTGTTGCTACAACTACTTGGCGGAAATCTGTGAGGTCAAGCCAACTTTCTTGTGCTGTC 1317

Db 193 GTTATGATCAATTTTAGCTAGTAATAGACCATATTATTC---GGTACAGTGAGAACT 249

QY 1318 AATGCTGTGCTCTCTCTATACCGGAGAAATAATGGTTCATGAGAGCCTGCGGTTATTGTT 1377

Db 250 AATCAAAATCCAGACAAATTCCTACTCAACCATGGTATTTAAGTACTATCCCGGTAATG 309

QY 1378 TGCCTGGTGGAAATTTTACCTTTTGGTTCAATCTTTAATGAAATGATTAATCACTTCACG 1437

Db 310 TTTATTTTCGGGAATTTTCCCAATTTGGATCAATGCTGTGGAATGTTATTATTATTCA 369

QY 1438 TCTTTCTGGGCATATAAGATCTATTATGCTCTATGCTTCAATGATGCTGGTGGTTATC 1497

Db 370 TCAATTTGGTTTAAATAGATTTTATATGTTTGGATTTTATTCTGTTTCATATTA 429

QY 1498 CTGTGCATTGTGACTGTCTGTGACTATTGTGSCACATATTTTCTACTAAATGCAGAA 1557

Db 430 ATGATTTTAACCTAGTATTAAATTAATTTTAAATGATTTATTATCTTTATGTTACAGAA 489

QY 1558 GATTACCGGTGGCAATGACAGATTTTCTCTGCTGATCACTGCAATCTATGTTTAC 1617

Db 490 AATTATAAATGGCAATGGAATCATTTATTGTTGGAGAGGTTGTGCAATTTATGTTATTT 549

QY 1618 ATGATTTCTTTTACTACTATTTTTCAAAACAAGATGATGCTTATTTCAAACATCA 1677

Db 550 ATTCATTTCAATTTTTTTCAGCTGGTGGTA---AAAATTTGGTGAATTTAGTTCAATGTT 606

QY 1678 TTTTACTTTTGGATATATGGCGGATTTTAGCAGCCCTTGGGGATAAATGTGTGGAGCGAAT 1737

Db 607 TTATACAGTGGTTATTTCAGCTGTGATTTCAATTATTAGTTTTCCTTTTGTGGATCAATT 666

QY 1738 GGTACATGGGAACAGTGCCCTTTGTCGAAATCTATCTATGTAATGAAATGACTAG 1797

Db 667 GGATTTTATAGTATTAAATTTTGTACAGATTAAATTTATGCTCAAAATTAATTTGATTG 726

RESULT 15

US-09-949-016-1721/c

; Sequence 1721, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1721

; LENGTH: 499

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-1721

Query Match 5.9%; Score 122; DB 3; Length 499;

Best Local Similarity 100.0%; Pred. No. 1.1e-18;

Matches 122; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1934 TTACGAATGAGGCAATTTATTAAACCCAGCATGGTTTCTTAATGCTTCTTGTGGCAGC 1993

Db 499 TTACGAATGAGGCAATTTATTAAACCCAGCATGGTTTCTTAATGCTTCTTGTGGCAGC 440

QY 1994 TGCACCTGTCCGGCGAATCTGTCCAGATCTTTTGTCCCTGAGGTGTCAGTTTGGGCC 2053

Db 439 TGCACCTGTCCGGCGAATCTGTCCAGATCTCTTTGTCCCTGAGGTGTCAGTTTGGGCC 380

QY 2054 GC 2055

Db 379 GC 378

Search completed: March 10, 2006, 21:55:57

Job time : 360.113 secs

Db 241 AGTATCAGTCATTACCATGAAACTCTGGAGAGCACTTCAAGGGTTGAATTCGAATTT 300
Qy 301 AGTGTCTGGATATTAATTTAAAGATCATGTGATGCGACCACTTACTGTGAAATTTGAT 360
Db 301 AGTGTCTGGATATTAATTTAAAGATCATGTGATGCGACCACTTACTGTGAAATTTGAT 360
Qy 361 TTAGTAAGAAAGAGAGATGTCATTTGTATATGCCATATAAATAATCATTTACTGCTACCG 420
Db 361 TTAGTAAGAAAGAGAGATGTCATTTGTATATGCCATATAAATAATCATTTACTGCTACCG 420
Qy 421 ATGTACATAGATGATTTTACCAATATGGGTATTTGTGTGAGGCTGATGAAATTTGGAGAA 480
Db 421 ATGTACATAGATGATTTTACCAATATGGGTATTTGTGTGAGGCTGATGAAATTTGGAGAA 480
Qy 481 GATTACTATCTTTGGACCTATAAATACTTGAATAGTGTGTTTAAATGGAATTCGAATTTGTT 540
Db 481 GATTACTATCTTTGGACCTATAAATACTTGAATAGTGTGTTTAAATGGAATTCGAATTTGTT 540
Qy 541 GATGTTAATCTAACTAGTGAAGGAAGGTGAACCTGTTCCAAATACCTATAAATCCAGATG 600
Db 541 GATGTTAATCTAACTAGTGAAGGAAGGTGAACCTGTTCCAAATACCTATAAATCCAGATG 600
Qy 601 TCATATTCAGTAAATGGAAGAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 660
Db 601 TCATATTCAGTAAATGGAAGAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATAT 660
Qy 661 CTTGATCGCTCTTTTCAACATCGGATTCATTTGGTTCATTTTCAACTCCTTCATG 720
Db 661 CTTGATCGCTCTTTTCAACATCGGATTCATTTGGTTCATTTTCAACTCCTTCATG 720
Qy 721 ATGGTGATCTTTCTGGTGGGCTTAGTTTCAATGATTTTAAAGAAACATTAAGAAAAGAT 780
Db 721 ATGGTGATCTTTCTGGTGGGCTTAGTTTCAATGATTTTAAAGAAACATTAAGAAAAGAT 780
Qy 781 TATGCTCGGTACAGTAAAGAGAAAGATGATGATGATGATGATGATGATGATGATGATGATGAT 840
Db 781 TATGCTCGGTACAGTAAAGAGAAAGATGATGATGATGATGATGATGATGATGATGATGATGAT 840
Qy 841 TATGGATGGAAGAGGTGCGATGAGATGATTTAGACCATCAAGTCAACCACTGATATTT 900
Db 841 TATGGATGGAAGAGGTGCGATGAGATGATTTAGACCATCAAGTCAACCACTGATATTT 900
Qy 901 TCCCTCTGATGTTGTTCTGGATGTCAGATATTTGCTGTCTCTCATCTGTTATTTATTTGTT 960
Db 901 TCCCTCTGATGTTGTTCTGGATGTCAGATATTTGCTGTCTCTCATCTGTTATTTATTTGTT 960
Qy 961 GCAATGATAGAGATTTATATCTAGAGAGGATCAATGCTCAGTACAGCCATATTTGTC 1020
Db 961 GCAATGATAGAGATTTATATCTAGAGAGGATCAATGCTCAGTACAGCCATATTTGTC 1020
Qy 1021 TATGCTGTAGCTCTCGATGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1080
Db 1021 TATGCTGTAGCTCTCGATGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAAGGA 1080
Qy 1081 GGAAGGATGATGATAAGACAGATGTTATTTGGGCAATTCCTTATCCAGCTATGCTGTGT 1140
Db 1081 GGAAGGATGATGATAAGACAGATGTTATTTGGGCAATTCCTTATCCAGCTATGCTGTGT 1140
Qy 1141 GGCACTGCTTTCTTCATCAATTTTATAGCCATTTTATACCATGCTTCAAGAGCCATTCCT 1200
Db 1141 GGCACTGCTTTCTTCATCAATTTTATAGCCATTTTATACCATGCTTCAAGAGCCATTCCT 1200
Qy 1201 TTTGGAAACATGGTGGCGGTTTGTGATCTGTTTGTATCTTCTCTTAATCTT 1260
Db 1201 TTTGGAAACATGGTGGCGGTTTGTGATCTGTTTGTATCTTCTCTTAATCTT 1260
Qy 1261 GTTGGTACATCTTTGGCCGAAATCTGTGAGTCAAGCCAACTTCTTGTGCTGATCAAT 1320
Db 1261 GTTGGTACATCTTTGGCCGAAATCTGTGAGTCAAGCCAACTTCTTGTGCTGATCAAT 1320
Qy 1321 GCTGTGCTCTCTCTATACCGGAGAAAAATGTTTCAATGAGGCTCGGGTTATTTGTTGC 1380
Db 1321 GCTGTGCTCTCTCTATACCGGAGAAAAATGTTTCAATGAGGCTCGGGTTATTTGTTGC 1380

Qy 1381 CTGGGTGGAATTTTACCTTTTGGTTCATCTTTATTTGAAATGATTTTCACTTCACTCT 1440
Db 1381 CTGGGTGGAATTTTACCTTTTGGTTCATCTTTATTTGAAATGATTTTCACTTCACTCT 1440
Qy 1441 TTCTGGGCATATAAGATCTATTATGCTTATGGCTTCATGATGCTGCTGCTGCTGCTGCTG 1500
Db 1441 TTCTGGGCATATAAGATCTATTATGCTTATGGCTTCATGATGCTGCTGCTGCTGCTGCTG 1500
Qy 1501 TGCATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1560
Db 1501 TGCATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1560
Qy 1561 TACCGGTGGCAATGGAAGAATTTTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620
Db 1561 TACCGGTGGCAATGGAAGAATTTTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620
Qy 1621 TATTCCTTTTACTACTACTATTTTCAAAACAAGAGATGATGCTGCTTATTTCAAAACATCATTT 1680
Db 1621 TATTCCTTTTACTACTACTATTTTCAAAACAAGAGATGATGCTGCTTATTTCAAAACATCATTT 1680
Qy 1681 TACTTTGGATATATGCGGTATTTAGCACAGCTTGGGATATGCTGCTGCTGCTGCTGCTGCTG 1740
Db 1681 TACTTTGGATATATGCGGTATTTAGCACAGCTTGGGATATGCTGCTGCTGCTGCTGCTGCTG 1740
Qy 1741 TACATGGGACCAAGTGGCTTTGCTCGGAAAAATCTACTAATGCTGAAAAATTTGACTAGAGA 1800
Db 1741 TACATGGGACCAAGTGGCTTTGCTCGGAAAAATCTACTAATGCTGAAAAATTTGACTAGAGA 1800
Qy 1801 CCCAAGAAAACTGGAACTTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1860
Db 1801 CCCAAGAAAACTGGAACTTTTGGATCAATTTCTTTTTCATAGGGGTGGAACTTGCACAGC 1860
Qy 1861 AAAAAACAAACGCAAGAGATTTGGGCTTTAACTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 1920
Db 1861 AAAAAACAAACGCAAGAGATTTGGGCTTTAACTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 1920
Qy 1921 TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 1980
Db 1921 TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 1980
Qy 1981 TCTTTTGGCAGCTGCCACTGCTCGGCGATTCCTGCTCCAGATCTCTTTGCTCCCTGAGGTG 2040
Db 1981 TCTTTTGGCAGCTGCCACTGCTCGGCGATTCCTGCTCCAGATCTCTTTGCTCCCTGAGGTG 2040
Qy 2041 TCAGTTTGGCGCGCTCGAGCATGCACTAGA 2072
Db 2041 TCAGTTTGGCGCGCTCGAGCATGCACTAGA 2072

RESULT 2

US-09-814-353-21837
; Sequence 21837, Application US/09814953
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661

830	DB	TATGGATGGAACACAGGTGCATGGAGATGTATTATGAGCCATCAAGTCAACCACCTGATATTT	889
901	QY	TCTCTCTCAATTGGTTCTCGATGTCAGATATATTTGCTGTGTCTCTCATCGTTATATTTGTT	960
890	DB	TCTCTCTCAATTGGTTCTCGATGTCAGATATATTTGCTGTGTCTCTCATCGTTATATTTGTT	949
961	QY	GCATGATAGAGATTTATATCTCGAGGGGATCAATGCTCAGTACAGCCATATTTGTC	1020
950	DB	GCATGATAGAGATTTATATCTCGAGGGGATCAATGCTCAGTACAGCCATATTTGTC	1009
1021	QY	TATGCTGCTACGTCTCCAGTGAATGGTATATTTGGAGGAAGTCTGTATGCTAGACAAGGA	1080
1010	DB	TATGCTGCTACGTCTCCAGTGAATGGTATATTTGGAGGAAGTCTGTATGCTAGACAAGGA	1069
1081	QY	GGAGGAGATGGATAAAGCAGATGTTTATTTGGGGCAATCTCTTATCCAGCTATGGTGTGT	1140
1070	DB	GGAGGAGATGGATAAAGCAGATGTTTATTTGGGGCAATCTCTTATCCAGCTATGGTGTGT	1129
1141	QY	GGCATCHGCCCTTCTCATCAATTTTCATAGCCATTTATACCATGCTTCAAGAGCCATTCCT	1200
1130	DB	GGCATCHGCCCTTCTCATCAATTTTCATAGCCATTTATACCATGCTTCAAGAGCCATTCCT	1189
1201	QY	TTTGGAAACAATGSGTGGCGGTTGTTGTCATCTGTTTTTTTTTTGTTTATCTCTCTCTAAATCTTT	1260
1190	DB	TTTGGAAACAATGSGTGGCGGTTGTTGTCATCTGTTTTTTTTTTGTTTATCTCTCTCTAAATCTTT	1249
1261	QY	GTGTTGTAACAATCTTTGGCCGAAATCTGTCAAGTCAAGCCAACTTCTCTTGTCTGTGCAAT	1320
1250	DB	GTGTTGTAACAATCTTTGGCCGAAATCTGTCAAGTCAAGCCAACTTCTCTTGTCTGTGCAAT	1309
1321	QY	GCTGTGCTCGTCTTATACCGGAGAAAAATGGTTTCATGGAGCTCGCGGTTATTTGTTGC	1380
1310	DB	GCTGTGCTCGTCTTATACCGGAGAAAAATGGTTTCATGGAGCTCGCGGTTATTTGTTGC	1369
1381	QY	CTGGGTGGAAATTTTACCTTTTGGTTCAATCTTTTATTTGAAATGTTATTTCACTTCAAGTCT	1440
1370	DB	CTGGGTGGAAATTTTACCTTTTGGTTCAATCTTTTATTTGAAATGTTATTTCACTTCAAGTCT	1429
1441	QY	TTCTGGGCATATAAAGATCTATTTATGTCTATGGCTTCATGATGCTGCTGTGTTATCTCTG	1500
1430	DB	TTCTGGGCATATAAAGATCTATTTATGTCTATGGCTTCATGATGCTGCTGTGTTATCTCTG	1489
1501	QY	TGCAATTGTGACTGTCTGTGTGACTATTTGTGTGCACTATTTTCTACTATAATGCAGAAGAT	1560
1490	DB	TGCAATTGTGACTGTCTGTGTGACTATTTGTGTGCACTATTTTCTACTATAATGCAGAAGAT	1549
1561	QY	TACCGGTGGCAATGGACAGTTTTCTCTCTGTGCACTCAACTGCAATCTATGTTTACATG	1620
1550	DB	TACCGGTGGCAATGGACAGTTTTCTCTCTGTGCACTCAACTGCAATCTATGTTTACATG	1609
1621	QY	TATTCCTTTTACTACTATTTTTTTCAAAACAAAGATGTATGGCTTATTTCAAAACATCATTT	1680
1610	DB	TATTCCTTTTACTACTATTTTTTTCAAAACAAAGATGTATGGCTTATTTCAAAACATCATTT	1669
1681	QY	TACTTTGGATATATGGCGGTATTTAGCACAGCCTTTGGGGATAATGTGTGGAGCGATGGT	1740
1670	DB	TACTTTGGATATATGGCGGTATTTAGCACAGCCTTTGGGGATAATGTGTGGAGCGATGGT	1729
1741	QY	TACATGGGAAACAAAGTGCCTTTGTCGGAAAAATCTATCTAATGTGAAAAATTGCTAGAGA	1800
1730	DB	TACATGGGAAACAAAGTGCCTTTGTCGGAAAAATCTATCTAATGTGAAAAATTGCTAGAGA	1789
1801	QY	CCCAAGAAACCTGGAACTTTTCGATCAATTTCTTTTTTCATAGGGGTGGAACTTGCACAGC	1860
1790	DB	CCCAAGAAACCTGGAACTTTTCGATCAATTTCTTTTTTCATAGGGGTGGAACTTGCACAGC	1849
1861	QY	AAAAACAAACAAACGCAAGAGATTTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTTTTTTTT	1920
1850	DB	AAAAACAAACAAACGCAAGAGATTTTGGGCTTTAACTTTTTTTTTTTTTTTTTTTTTTTTTT	1909
1921	QY	TTTTTTTT 1926	
1910	DB	CTCTTT 1915	


```
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/231,968
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 1867
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-915-582-13

Query Match      31.7%; Score 656; DB 3; Length 1867;
Best Local Similarity 97.1%; Pred. No. 5,7e-140; Indels 0; Gaps 0;
Matches 668; Conservative 0; Mismatches 20;

Qy 1239 TGTATTCTTCCTCTAAATCTTGTGTGACAAATCTTGGCCGAAATCTGTCAAGTCAGCC 1298
Db      |||
Qy 1299 CAACCTTTCTTGTGTGTCATGCTGTGCTCTCTATACCGGAGAAATGTTTCAT 1358
Db      |||
Qy 79 CAACCTTTCTTGTGTGTCATGCTGTGCTCTCTATACCGGAGAAATGTTTCAT 138
Db      |||
Qy 1359 GGACCTGCGGTATATGTTGCTTGGGTGGAAATTTACCTTTTGGTCAATCTTTATTGA 1418
Db      |||
Qy 139 GGACCTGCGGTATATGTTGCTTGGGTGGAAATTTACCTTTTGGTCAATCTTTATTGA 198
Db      |||
Qy 1419 AATGATTTTCATCTTCACGCTTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCAT 1478
Db      |||
Qy 199 AATGATTTTCATCTTCACGCTTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCAT 258
Db      |||
Qy 1479 GATGCTGGTGTGTTATCTTGTGTCATGTCATGTCGTGTCATGTCGTGTCATGTCGCACATA 1538
Db      |||
Qy 259 GATGCTGGTGTGTTATCTTGTGTCATGTCATGTCGTGTCATGTCGTGTCATGTCGCACATA 318
Db      |||
Qy 1539 TTTTCTACTAAATCAGAGATTAACCGTGGCAATGACCAAGTTTCTCTCTGCTGCATC 1598
Db      |||
Qy 319 TTTTCTACTAAATCAGAGATTAACCGTGGCAATGACCAAGTTTCTCTCTGCTGCATC 378
Db      |||
Qy 1599 AACTGCAATCTATTTTACATGTAATCTTTTACTATTTTTCATTTTTCATTTTTCATTTTTC 1658
Db      |||
Qy 379 AACTGCAATCTATTTTACATGTAATCTTTTACTATTTTTCATTTTTCATTTTTCATTTTTC 438
Db      |||
Qy 1659 TGGCTTATTTCAACATCATTTTACTTTGGATATATGCGGTATTTAGCACAGCCTTGGG 1718
Db      |||
Qy 439 TGGCTTATTTCAACATCATTTTACTTTGGATATATGCGGTATTTAGCACAGCCTTGGG 498
Db      |||
Qy 1719 GATAATGTGTGAGCGATTGGTTACATGGGAACAAGTGCCCTTTCTCCGAAAAATCTATAC 1778
Db      |||
Qy 499 GATAATGTGTGAGCGATTGGTTACATGGGAACAAGTGCCCTTTCTCCGAAAAATCTATAC 558
Db      |||
Qy 1779 TAATGTGAAAAATTGACTAGAGACCCAGAAAACTTGAATCTTGCATCAATTTCTTTTTC 1838
Db      |||
Qy 559 TAATGTGAAAAATTGACTAGAGACCCAGAAAACTTGAATCTTGCATCAATTTCTTTTTC 618
Db      |||
Qy 1839 ATAGGGTGGAACTTGCACAGCAAAACAAACAAACAAACAAACAAACAAACAAACAAACAAAC 1898
Db      |||
Qy 619 ATAGGGTGGAACTTGCACAGCAAAACAAACAAACAAACAAACAAACAAACAAACAAACAAAC 678
Db      |||
Qy 1899 TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 1926
Db      |||
Qy 679 AACTGGGTACTTTTGGGTCTCTTTT 706
```

Search completed: March 11, 2006, 04:54:22
Job time : 1704.01 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 10, 2006, 22:05:49 ; Search time 664.273 Seconds

(without alignments)
7196.920 Million cell updates/sec

Title: US-10-755-466-1

Perfect score: 2072

Sequence: 1 ggtacactagtaacgcccgcg.....cgctcagagcatcatcaga 2072

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 7673375 seqs, 1153648444 residues

Total number of hits satisfying chosen parameters: 15346750

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA New:

1: /cgn2_6/ptodata/2/pubna/US08_NEW_PUB.seq.*
2: /cgn2_6/ptodata/2/pubna/US06_NEW_PUB.seq.*
3: /cgn2_6/ptodata/2/pubna/US07_NEW_PUB.seq.*
4: /cgn2_6/ptodata/2/pubna/PCT_NEW_PUB.seq.*
5: /cgn2_6/ptodata/2/pubna/US05_NEW_PUB.seq.*
6: /cgn2_6/ptodata/2/pubna/US09_NEW_PUB.seq.*
7: /cgn2_6/ptodata/2/pubna/US10_NEW_PUB.seq.*
8: /cgn2_6/ptodata/2/pubna/US10_NEW_PUB.seq.*
9: /cgn2_6/ptodata/2/pubna/US11_NEW_PUB.seq.*
10: /cgn2_6/ptodata/2/pubna/US11_NEW_PUB.seq.*
11: /cgn2_6/ptodata/2/pubna/US11_NEW_PUB.seq.*
12: /cgn2_6/ptodata/2/pubna/US11_NEW_PUB.seq.*
13: /cgn2_6/ptodata/2/pubna/US60_NEW_PUB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	482.8	23.3	570	12	US-11-128-061-1325 Sequence 1325, Ap
2	482.8	23.3	570	12	US-11-128-061-1325 Sequence 4967, Ap
3	482.8	23.3	570	12	US-11-128-049-1325 Sequence 1325, Ap
4	482.8	23.3	570	12	US-11-128-049-1325 Sequence 4967, Ap
5	227.6	11.0	2391	12	US-11-000-688-1309 Sequence 1309, Ap
6	226	10.9	1878	9	US-11-072-512-1699 Sequence 1699, Ap
7	190.4	9.2	1094	9	US-11-240-769-50 Sequence 50, Appl
8	172	8.3	1821	9	US-11-240-769-49 Sequence 49, Appl
9	169.4	8.2	1816	9	US-11-240-769-21 Sequence 21, Appl
10	145	7.0	569	12	US-11-000-688-313 Sequence 313, Ap
11	138	6.7	1251	6	US-09-925-065A-724812 Sequence 724812, Ap
12	124.4	6.0	2019	7	US-10-932-182A-478 Sequence 478, Ap
13	124.4	6.0	2019	7	US-10-932-182A-478 Sequence 478, Ap
14	120	5.8	2025	7	US-10-932-182A-4690 Sequence 4690, Ap
15	120	5.8	2025	7	US-10-932-182A-4690 Sequence 4690, Ap
16	112.2	5.4	495	12	US-11-128-061-345 Sequence 345, Ap
17	112.2	5.4	495	12	US-11-128-061-3987 Sequence 3987, Ap
18	112.2	5.4	495	12	US-11-128-049-345 Sequence 345, Ap
19	112.2	5.4	495	12	US-11-128-049-3987 Sequence 3987, Ap
20	107.8	5.2	476	12	US-11-000-688-312 Sequence 312, Ap

21	101.6	4.9	424	12	US-11-000-688-1308 Sequence 1308, Ap
22	98.8	4.8	636	7	US-10-932-182A-173799 Sequence 173799, Ap
23	98.8	4.8	636	7	US-10-932-182A-173799 Sequence 173799, Ap
24	96	4.6	623	6	US-09-925-065A-799365 Sequence 799365, Ap
25	69.8	3.4	465	7	US-10-932-182A-173463 Sequence 173463, Ap
26	69.8	3.4	465	7	US-10-932-182A-173463 Sequence 173463, Ap
27	60.4	2.9	1083	7	US-10-932-182A-173986 Sequence 173986, Ap
28	60.4	2.9	1083	7	US-10-932-182A-173986 Sequence 173986, Ap
29	59.6	2.9	427	8	US-10-821-234-288 Sequence 288, App
30	53.8	2.6	1488	9	US-11-096-568A-25839 Sequence 25839, A
31	53.2	2.6	1478	8	US-10-909-125-1744 Sequence 1744, Ap
32	52.6	2.5	384	7	US-10-932-182A-81876 Sequence 81876, A
33	52.6	2.5	384	7	US-10-932-182A-81876 Sequence 81876, A
34	52.2	2.5	516	6	US-09-925-065A-480255 Sequence 480255, Ap
35	52	2.5	687	8	US-10-986-501-107 Sequence 107, App
36	50.6	2.4	486	6	US-09-925-065A-134718 Sequence 134718, Ap
37	50	2.4	704	6	US-09-925-065A-924411 Sequence 924411, Ap
38	49.8	2.4	106	8	US-10-310-914A-3758 Sequence 3758, Ap
39	49.8	2.4	505	6	US-09-925-065A-736759 Sequence 736759, Ap
40	49.8	2.4	505	6	US-09-925-065A-736760 Sequence 736760, Ap
41	49.8	2.4	627	6	US-09-925-065A-488892 Sequence 488892, Ap
42	49.8	2.4	182190	12	US-11-121-086-102 Sequence 102, App
43	49.6	2.4	534	6	US-09-925-065A-474669 Sequence 474669, Ap
44	49	2.4	486	6	US-09-925-065A-134717 Sequence 134717, Ap
45	49	2.4	486	6	US-09-925-065A-134719 Sequence 134719, Ap

ALIGNMENTS

RESULT 1

US-11-128-061-1325
Sequence 1325, Application US/11128061
Publication No. US20060003958A1
GENERAL INFORMATION:
APPLICANT: Melville, Mark W.
APPLICANT: Charlebois, Timothy S.
APPLICANT: Mounts, William M.
APPLICANT: Hann, Louane E.
APPLICANT: Sinacore, Martin S.
APPLICANT: Leonard, Mark W.
APPLICANT: Brown, Eugene L.
APPLICANT: Miller, Christopher P.
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
FILE REFERENCE: 01997.027701
CURRENT APPLICATION NUMBER: US/11/128,061
CURRENT FILING DATE: 2005-05-11
PRIOR APPLICATION NUMBER: US 60/570,425
PRIOR FILING DATE: 2004-05-11
NUMBER OF SEQ ID NOS: 7285
SOFTWARE: Patent in version 3.3
SEQ ID NO 1325
LENGTH: 570
TYPE: DNA
ORGANISM: Cricetus griseus

Query Match 23.3%; Score 482.8; DB 12; Length 570;

Best Local Similarity 91.6%; Pred. No. 5.8e-64;

Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

QY 910 ATTGGTTCTGGAGTGCAGATATTGCTGCTCTCATCGTTATTATTGTTGCAATGATA 969
|||||
Db 1 ATTGGTTCTGGAGTGCAGATATTGCTGCTCTCATCGTTATTATTGTTGCAATGATA 60
|||||

QY 970 GAGATTATATCTCAGAGGGGATCAATGCTCAGTACAGCCATATTGTTCTGCTGCT 1029
|||||

Db 61 GAGATTATATACAGAGGGGATCAATGCTCAGTACAGCCATATTGTTCTGCTGCT 120
|||||

QY 1030 ACCTCTCCAGTGAATGGTTATTATTTTGGAGGAAGTCTGTATGCTAGCAAGGAGGAGA 1089
|||||
Db 121 ACATCTCCAGTGAATGGTTATTATTTTGGAGGAAGTCTGTATGCTAGCAAGGAGGAGA 180
|||||

QY 1090 TGGATAAAGCAGATGTTTATTTGGGGCAATTCCTTATCCAGCTATGTTGTGTGGCACTGCC 1149
DB 181 TGGATAAAGCAGATGTTTATTTGGGGCAATTCCTTATCCAGCTATGTTGTGTGGCACTGCC 240
QY 1150 TTCTTCATCAATTTTCATAGCCATTTATACCATGCTTCAAGAGCCATTCCTTTTGGAA 1209
DB 241 TTCTTCATCAATTTTCATAGCCATTTATATCATGCTCTAGAGCCATTCCTTTTGGAA 300
QY 1210 ATGGTGGCGGTTTGTGTGATCTGTTTTTTTGTATTTCTTCTTAATCTTGTGTGTA 1269
DB 301 ATGGTGGCGGTTTGTGTGATCTGTTTTTTTGTATTTCTTCTTAATCTTGTGTGTA 360
QY 1270 ATACTTGGCGGAATCTGTAGCTAGCCCAATCTTCTTGTGTGTAATGCTGTGCT 1329
DB 361 ATACTTGGCGGAATCTGTAGCTAGCCCAATCTTCTTGTGTGTAATGCTGTGCT 420
QY 1330 CGTCTATACCGAGAGAAAATGGTTTCATGGAGCCTGCGGTTATTTGCTTGGCTGGA 1389
DB 421 GGTCTATCCAGACAAATATGGTTTATGGATCTTGCATTTATGCTTGGCTGTA 480
QY 1390 ATTTTACCTTTTGGTTCAATCTTTATTTGAATGTTATTTCACTTCACTTCTTGGGA 1449
DB 481 ATTTTACCTTTTGGTTCAATCTTTATTTGAATGTTATTTCACTTCACTTCTTGGGA 540
QY 1450 TATAAGATCTA-TTATGCTATGGCTTCAT 1478
DB 541 TACAAGACCCACTTATGCTATGGCTTTAT 570

RESULT 2

US-11-128-061-4967

; Sequence 4967, Application US/11128061

; Publication No. US2006003958A1

; GENERAL INFORMATION:

; APPLICANT: Melville, Mark W.

; APPLICANT: Charlebois, Timothy S.

; APPLICANT: Mounts, William M.

; APPLICANT: Hann, Louane E.

; APPLICANT: Sinacore, Martin S.

; APPLICANT: Leonard, Mark W.

; APPLICANT: Brown, Eugene L.

; APPLICANT: Miller, Christopher P.

; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS

; FILE REFERENCE: 01997.027701

; CURRENT APPLICATION NUMBER: US/11/128,061

; PRIOR FILING DATE: 2005-05-11

; PRIOR APPLICATION NUMBER: US 60/570,425

; NUMBER OF SEQ ID NOS: 7285

; SOFTWARE: Patent in version 3.3

; SEQ ID NO 4967

; LENGTH: 570

; TYPE: DNA

; ORGANISM: Cricetulus griseus

US-11-128-061-4967

Query Match 23.3%; Score 482.8; DB 12; Length 570;

Best Local Similarity 91.6%; Pred. No. 5.8e-64;

Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

QY 910 ATTGGTTCGGATGTCAGATATTTGCTGTGCTCTCATGTTATTTATTTGTCATGATA 969
DB 1 ATTGGTTCGGATGTCAGATATTTGCTGTGCTCTCATGTTATTTATTTGTCATGATA 60

QY 970 GAAGATTTATATCTAGAGGGGATCAATGCTCAGTACAGCCATATTTCTATGCTGCT 1029
DB 61 GAGGATTTATATACAGAGAGGGGATCAATGCTCAGTACAGCCATATTTCTATGCTGCT 120

QY 1030 ACCTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAGAGGAGGAGA 1089
DB 121 ACATCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCCAGACAGAGGAGGAGA 180

QY 1090 TGGATAAAGCAGATGTTTATTTGGGGCAATTCCTTATCCAGCTATGTTGTGTGGCACTGCC 1149
DB 181 TGGATAAAGCAGATGTTTATTTGGGGCAATTCCTTATCCAGCTATGTTGTGTGGCACTGCC 240
QY 1150 TTCTTCATCAATTTTCATAGCCATTTATACCATGCTTCAAGAGCCATTCCTTTTGGAA 1209
DB 241 TTCTTCATCAATTTTCATAGCCATTTATATCATGCTCTAGAGCCATTCCTTTTGGAA 300
QY 1210 ATGGTGGCGGTTTGTGTGATCTGTTTTTTTGTATTTCTTCTTAATCTTGTGTGTA 1269
DB 301 ATGGTGGCGGTTTGTGTGATCTGTTTTTTTGTATTTCTTCTTAATCTTGTGTGTA 360
QY 1270 ATACTTGGCGGAATCTGTAGCTAGCCCAATCTTCTTGTGTGTAATGCTGTGCT 1329
DB 361 ATACTTGGCGGAATCTGTAGCTAGCCCAATCTTCTTGTGTGTAATGCTGTGCT 420
QY 1330 CGTCTATACCGAGAGAAAATGGTTTCATGGAGCCTGCGGTTATTTGCTTGGCTGGA 1389
DB 421 GGTCTATCCAGACAAATATGGTTTATGGATCTTGCATTTATGCTTGGCTGTA 480
QY 1390 ATTTTACCTTTTGGTTCAATCTTTATTTGAATGTTATTTCACTTCACTTCTTGGGA 1449
DB 481 ATTTTACCTTTTGGTTCAATCTTTATTTGAATGTTATTTCACTTCACTTCTTGGGA 540
QY 1450 TATAAGATCTA-TTATGCTATGGCTTCAT 1478
DB 541 TACAAGACCCACTTATGCTATGGCTTTAT 570

RESULT 3

US-11-128-049-1325

; Sequence 1325, Application US/11128049

; Publication No. US20060010513A1

; GENERAL INFORMATION:

; APPLICANT: Melville, Mark W.

; APPLICANT: Charlebois, Timothy S.

; APPLICANT: Mounts, William M.

; APPLICANT: Hann, Louane E.

; APPLICANT: Sinacore, Martin S.

; APPLICANT: Leonard, Mark W.

; APPLICANT: Brown, Eugene L.

; APPLICANT: Miller, Christopher P.

; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR

; FILE REFERENCE: 01997.027700

; CURRENT APPLICATION NUMBER: US/11/128,049

; CURRENT FILING DATE: 2005-05-11

; PRIOR APPLICATION NUMBER: US 60/570,425

; PRIOR FILING DATE: 2004-05-11

; NUMBER OF SEQ ID NOS: 7285

; SOFTWARE: Patent in version 3.3

; SEQ ID NO 1325

; LENGTH: 570

; TYPE: DNA

; ORGANISM: Cricetulus griseus

US-11-128-049-1325

Query Match 23.3%; Score 482.8; DB 12; Length 570;

Best Local Similarity 91.6%; Pred. No. 5.8e-64;

Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

QY 910 ATTGGTTCGGATGTCAGATATTTGCTGTGCTCTCATGTTATTTATTTGTCATGATA 969
DB 1 ATTGGTTCGGATGTCAGATATTTGCTGTGCTCTCATGTTATTTATTTGTCATGATA 60

QY 970 GAAGATTTATATCTAGAGGGGATCAATGCTCAGTACAGCCATATTTCTATGCTGCT 1029
DB 61 GAGGATTTATATACAGAGAGGGGATCAATGCTCAGTACAGCCATATTTCTATGCTGCT 120

QY 1030 ACCTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAGAGGAGGAGA 1089
DB 121 ACATCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCCAGACAGAGGAGGAGA 180

QY 1090 TGGATAAGCAGATGTTTATTGGGGCATTCTTATCCAGCTATGGTGTGGCACTGCC 1149
DB 181 TGGATAAGCAGATGTTTATTGGGGCATTCTTATCCAGCTATGGTGTGGCACTGCC 240
QY 1150 TTCTTCATCAATTTTCATAGCCATTATTAACCATGCTTCAAGAGCCATTCTCTTTTGAACA 1209
DB 241 TTCTTCATCAATTTTCATAGCCATTATTAACCATGCTTCAAGAGCCATTCTCTTTTGAACA 300
QY 1210 ATGGTGGCCGTTGGTGCATCTGTTTTTGTATTCTTCTCTAAATCTTTGGTGA 1269
DB 301 ATGGTGGCCGTTGGTGCATCTGTTTTTGTATTCTTCTCTAAATCTTTGGTGA 360
QY 1270 ATACTTGGCCGAATCTGTAGCTCAGCTCAGCCCAACTTCTGTCTGCTCAATGCTGTGCC 1329
DB 361 ATACTTGGCCGAATCTGTAGCTCAGCTCAGCCCAACTTCTGTCTGCTCAATGCTGTGCC 420
QY 1330 CGTCTATACCGGAGAAAATGTTTCATGAGCTCGGGTTATTGTTGGCTCGGTGA 1389
DB 421 GGTCTATCCAGACAAATATGTTTATGGATCTGCAATTTATCGTTGGCTCTAGCA 480
QY 1390 ATTTTACCTTTTGGTTCATCTTTTATGAAATGTTTATTCATCTTCAGCTCTTTCTGGCA 1449
DB 481 ATTTTACCTTTTGGTTCATCTTTTATGAAATGTTTATTCATCTTCAGCTCTTTCTGGCA 540
QY 1450 TATAAGATCTA-TTATGCTATGGCTTCAT 1478
DB 541 TACAAGACCCACTTATGCTATGGCTTTAT 570

RESULT 4

US-11-128-049-4967
; Sequence 4967, Application US/11128049
; Publication No. US2006001051A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounce, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; FILE REFERENCE: 01997.027700
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US/11/128,049
; PRIOR FILING DATE: 2005-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 4967
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Cricetulus griseus
US-11-128-049-4967

Query Match 23.3%; Score 482.8; DB 12; Length 570;
Best Local Similarity 91.6%; Pred. No. 5.8e-64;
Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;
QY 910 ATTGGTTCTGATGTCAGATATTGCTGTGCTCTCTCAATCGTTATATTGTTGCAATGATA 969
DB 1 ATTGGTTCTGATGTCAGATATTGCTGTGCTCTCTCAATCGTTATATTGTTGCAATGATA 60
QY 970 GAAGATTATATCTAGAGGGGATCAATGCTCAGTACAGCCATATTGCTATGCTGCT 1029
DB 61 GAGGATTTATATACAGAGGGGATCAATGCTCAGTACAGCCATATTGCTATGCTGCT 120
QY 1030 ACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAGAGGAGGAGA 1089
DB 121 ACATCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTAGACAGAGGAGGAGA 180

QY 1090 TGGATAAGCAGATGTTTATTGGGGCATTCTTATCCAGCTATGGTGTGGCACTGCC 1149
DB 181 TGGATAAGCAGATGTTTATTGGGGCATTCTTATCCAGCTATGGTGTGGCACTGCC 240
QY 1150 TTCTTCATCAATTTTCATAGCCATTATTAACCATGCTTCAAGAGCCATTCTCTTTTGAACA 1209
DB 241 TTCTTCATCAATTTTCATAGCCATTATTAACCATGCTTCAAGAGCCATTCTCTTTTGAACA 300
QY 1210 ATGGTGGCCGTTGGTGCATCTGTTTTTGTATTCTTCTCTAAATCTTTGGTGA 1269
DB 301 ATGGTGGCCGTTGGTGCATCTGTTTTTGTATTCTTCTCTAAATCTTTGGTGA 360
QY 1270 ATACTTGGCCGAATCTGTAGCTCAGCTCAGCCCAACTTCTGTCTGCTCAATGCTGTGCC 1329
DB 361 ATACTTGGCCGAATCTGTAGCTCAGCTCAGCCCAACTTCTGTCTGCTCAATGCTGTGCC 420
QY 1330 CGTCTATACCGGAGAAAATGTTTCATGAGCTCGGGTTATTGTTGGCTCGGTGA 1389
DB 421 GGTCTATCCAGACAAATATGTTTATGGATCTGCAATTTATCGTTGGCTCTAGCA 480
QY 1390 ATTTTACCTTTTGGTTCATCTTTTATGAAATGTTTATTCATCTTCAGCTCTTTCTGGCA 1449
DB 481 ATTTTACCTTTTGGTTCATCTTTTATGAAATGTTTATTCATCTTCAGCTCTTTCTGGCA 540
QY 1450 TATAAGATCTA-TTATGCTATGGCTTCAT 1478
DB 541 TACAAGACCCACTTATGCTATGGCTTTAT 570

RESULT 5

US-11-000-688-1309
; Sequence 1309, Application US/11000688
; Publication No. US2005028754A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGUET, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 1309
; LENGTH: 2391
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences: primer
; NAME/KEY: misc feature
; LOCATION: (1)-(2391)
; OTHER INFORMATION: transmembrane 9 superfamily member 2(TW9SF2)
; OTHER INFORMATION: Gene.
US-11-000-688-1309

Query Match 11.0%; Score 227.6; DB 12; Length 2391;
Best Local Similarity 51.9%; Pred. No. 1.5e-25;
Matches 596; Conservative 0; Mismatches 534; Indels 18; Gaps 3;
QY 656 AATATCTTGATCCGTCCTCTTTTCAACATCGGATTCATGGTTTCAATTTTCAACTCT 715
DB 996 ACTATATCTCGAGTCTATGCTCTATACCACATCCAGTGGTTTAGCATTTGAATCCC 1055
QY 716 TCATGATGGTATCTTCTTGTGGCTTACTTTCAATGATTTTAAATGAGAACATTAAGAA 775
DB 1056 TGTGATTTGTTCTTCTTATCTGGATGGTAGCTATGATTTGTTACGACACTGCACA 1115
QY 776 AAGATTATGCTCGGTACAGTAAAGAGAGAAATGGATGATATGGATAGAGACCTAGGAG 835

Db 1116 AAGATATTGCTAGATATATATACAGATGGACTCTACGGAAGATGCCAG-----G 1163
QY 836 ATGAATATGATGAAACAGGTCATGAGATGATATTTAGACCATCAAGTCAACCACTGA 895
Db 1164 AAGATATTGCTGGAACATTTGTTATGTTGATATATTCGCTCTCCAGAAAGGATGC 1223
QY 896 TATTTTCCTCTGATGTTGTTGATGTCAGATATTTGCTGTGCTCTCATCGTTATTA 955
Db 1224 TGTATACAGTCTTTCTAGGATCGGACACAGATTTTAAATATGACCTTTTGACTCTAT 1283
QY 956 TTGTTGCAATGATAGAAATTTATATACATGAGAGGGATCAATGCTCAGTAC---AGCCA 1012
Db 1284 TTTTGGCTTGGCTGGATTTTGTACCTGCCAACCGAGAGCGCTGATGATGCTG 1343
QY 1013 TATTTGTCTATGCTGCTACGCTCCAGTGAATGTTTATTTGGAGAACTCTGTATGCTA 1072
Db 1344 TGGTCTGTTGGTGGCTGGCCACCCCTCGAGGCTATGTTGCTGCCAGATTTCTATAAGT 1403
QY 1073 GACAGAGGAGGATGATAGAGCAGATGTTTATTTGGGCATCTCTTATCCCGACTA 1132
Db 1404 CTTTGGAGGTGAGAAAGTGGAAACAAATGTTTATTAACATCATTTCTTTGCTGGGA 1463
QY 1133 TGGTGTGGCACTGCTCTTCTCATCAATTTATAGCCATTTATACCATGCTTCAAGAG 1192
Db 1464 TTGTTATTTGCTGATCTTTTATTAATGAATCTGATCTCTGGGAGAGATCTTCAGAG 1523
QY 1193 CAATTCCTTTTGGAAACAATGTTGGCGGTTGTTGCAATCTGTTTATTTGTTATCTTCCTC 1252
Db 1524 CTATTCCTTTTGGACACTGTTGCCATATGCCCCCTTTGGTCTGTCATATCTGTGCTC 1583
QY 1253 TAAATCTTTGTTGTAACAATGTTGGCGGAATCTGTGAGTCAAGCCCACTTCTCTGTC 1312
Db 1584 TGACGTTTATTTGGTGCATCTTTGTTTAAAGAAATCCCATGGAACAC---CCAGTTC 1640
QY 1313 GTGTCAATGCTGCTGCTCTCTATACCGGAGAAATAATGTTTCATGGAGCGCTGGGTTA 1372
Db 1641 GAACCAATCAGATTTCAAGTCAGATCTCTGAACAGCTGTTCTACAGAGCCCTTGCCTG 1700
QY 1373 TTGTTTGGCTGGTGGAAATTTTACCTTTTGGTTCAATCTTTATTTAGAAATGATTTCACT 1432
Db 1701 GTATTATCATGCGAGGATTTTGGCCCTTTGGCTGCAATCTTTATACAACTTTTCTTCA 1760
QY 1433 TCAGCTTCTTCTGGCATATAGATCTATTTGCTATGCTGCTGCTGATGCTGCTGCTGG 1492
Db 1761 TGAATAGTATTTGGTCACACAGATGATTAATGATTTGGCTTCTCTTATTTCTGGTGT 1820
QY 1493 TTATCTGTGCAATTTGCACTGCTGTGTGACTATTTGTGTCACATATTTCTTACTAAATG 1552
Db 1821 TCATTTTGGTTATTTACCTGTTCTGAGCACTATATCTCTTTGCTATTTTCCACCTAT 1880
QY 1553 CAGAGATTTACCGTGGCAATGAGCAAGTTTCTCTCTGCTGATCACTGCAATCTATG 1612
Db 1881 CAGAGATTTATCATTTGGCAATGCGTTCTTCTTACGAGTGGCTTTACTGCAATTTAT 1940
QY 1613 TTATCATGATTTCTTTTACTACTATTTTCAAAACAAAGATGATGCTTATTTCAA 1672
Db 1941 TCTTAATCTATGCAATGATCTACTTCTTTCAAACTGCAAGTCAAGGAAACAGCAAGCA 2000
QY 1673 CATCATTTTACTTTGATATATGGCGGATTTATAGCACAGCTTTGGGATAATGTTGGAG 1732
Db 2001 CAATCTGATCTTTGTTATACCATGATATGTTTGTATCTTCTTTTTCACAGGA 2060
QY 1733 CAATTTGTTTACATGGGAAACAAGTCTTTTGTCCGAAAAATCTATATGATGAAAAATG 1792
Db 2061 CAATTTGCTTCTTGTGATCTTTTGTGTTTGTACCAAAATATACAGTGTGTTGAAGTTG 2120
QY 1793 ACTAGAGA 1800
Db 2121 ACTGAAGA 2128

RESULT 6

US-11-072-512-1699

; Sequence 1699, Application US/11072512
; Publication No. US20060029945A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: 084335-0191
; CURRENT APPLICATION NUMBER: US/11/072,512
; CURRENT FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: US 60/350,978
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: JP 2001-379298
; PRIOR FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1699
; LENGTH: 1878
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-11-072-512-1699

Query Match 10.9%; Score 226; DB 9; Length 1878;

Best Local Similarity 51.8%; Pred. No. 2.5e-25;

Matches 595; Conservative 0; Mismatches 535; Indels 18; Gaps 3;

QY 656 AATATCTGATCCGCTCTTTTTCACATCGGATTCATGTTGTTTCAATTTTCAACTCCT 715
Db 693 ACTATATCTGAGTCTATGCTCTATACCCACATTCAGTGTGTAGCATTAATTCCTC 752
QY 716 TCATGATGATCTTCTTGTGGCTTAGTTTCAATGATTTTATGAGACATTAAGAA 775
Db 753 TGGTCATTTCTCTTCTTATCTGGAATGGTAGCTATGATTTATGTTACGACACTGCACA 812
QY 776 AAGATTATGCTCGCTACAGTAAAGAGGAGAAATGGATGATGGATAGACCTAGGAG 835
Db 813 AAGATATTTGCTAGATATAATCAGATGGACTCTACGGAAGATGCCAG-----G 860
QY 836 ATGAATATGATGAAACAGGTCATGAGATGATTTATTTAGACCATCAAGTCAACCACTGA 895
Db 861 AAGATTTTGGCTGGAACCTGTTTATGTTATATATTCCTGCTCCAGAAAGGATGC 920
QY 896 TATTTTCTCTCTGATGTTTCTGAGTGTGAGATTTTGTGCTGTCTCTCATCGTTATTA 955
Db 921 TGCTATCAGTCTTCTAGGATCCGGACACAGATTTTAAATATGACCTTTGTGACTCTAT 980
QY 956 TTGTTGCAATGATAGAAATTTATATCTGAGAGGGATCAATGCTCAGTAC---AGCCA 1012
Db 981 TTTTGGCTTGGCTGGATTTTGTACCTGCCAACCGAGAGCGCTGATGAGTGTCTG 1040
QY 1013 TATTTGCTATGCTGCTACGCTCTCCAGTGAATGTTTATTTGGAGGAAGTCTGTATGCTA 1072
Db 1041 TGGTCTGTGGTCTGCTGGCCACCCCTGCGAGCTATGTTGCTGCCAGATTTCTATAAGT 1100
QY 1073 GACAGGAGGAGGATGAGATAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCTA 1132
Db 1101 CTTTGGAGGTGAGAAAGTGGAAACAAATGTTTATTAACATCATTTCTTCTGCTGGGA 1160

1133 TGGTGTGGGACGCTTCTTTCATCAATTTTCATAGCCATTTATTACCATGCTTCAAGAG 1192
1161 TTGTATTGTGACTTCTTTTATATGAATCTGATCTCTGGGAGAAAGGATCTTACGAG 1220
1193 CCATTCCTTTTGGAAACATGGTGGCCGTTTGTGCATCTGTTTGTGTTTGTGTTTCTTCC 1252
1221 CTATTCCTTTTGGACACTGGTGGCCATGTTGGCCCTTGTGTTCTGCATATCTGTGCTC 1280
1253 TAAATCTTGTGTGACAAATCTTGGCCGAATCTGTCAAGTCAAGCCCAATTTCTTGTGTC 1312
1281 TGACGTTTATTTGGTGACATCTTGGTTTAAAGAGAAATGCCATGAACAC---CCAGTTC 1337
1313 GTGTCAATGTGCTGCTGCTCTATACCGGAGAAATAATGGTTCATGGAGCCCTGCGGTTA 1372
1338 GAACCAATCAGATTCCACGTCAGATTCTGAACAGTCTGTTCTACCAAGGCCCTTGGCCTG 1397
1373 TTGTTTCCCTGGGTGGAAATTTACCTTTTGGTTTCAATCTTTTATTTGAATATGTTTCACT 1432
1398 GTATTATCATGGGAGGATTTTGGCTTTGGCTGCTATCTTTTATACAACTTTTCTTCAATC 1457
1433 TCACGCTCTTCTGGGCATATAAGATCTATTATGTCTATGCTTCAAGATCTGCTGCTGG 1492
1458 TGAATAGTATTGTGTACACACAGATGATTTACATGTTTGGCTTCTTATTTCTGCTGTTA 1517
1493 TTATCTGTGCATGTGACTGTCTGTGCTGACTATTGTGTGCACATATTTTCTACTAAATG 1552
1518 TCATTTTGGTTATTACCTGTTCTGAAGCAACTATATCTTTTGTCTATTTCACCTATGTG 1577
1553 CAGAAGATTACCGTGGCAATGGCAAGTTTCTCTCTGCTGCAATCAACTGCAATCTATG 1612
1578 CAGAGGATATCATGGCAATGGGCTTCATCTTACAGTGGCTTTACTGCGATTTAT 1637
1613 TTTACATGATTCCTTTTACTACTATTTTTCAAAACAAAGATGATGCTTATTTTCAAA 1672
1638 TCTTAATCTATGCACTACTACTTCTTTTCAAACTGCAGATCACGGGAACAGCAAGCG 1697
1673 CATCATTTTACTTTGGATATATGGCGTATTATAGCACAGCTTGGGATATGTTGGAG 1732
1698 CAATTCCTGATCTTGGTTATACCAATGATGTTTGTGATCTTCTTTTACAGGAA 1757
1733 CGATTGTTTACATGGGAACAGTCCCTTTGTCCGAAAAATCTACTAATATGTAATAATG 1792
1758 CAATGGCTCTTGTGATGCTTTTGGTTTGTGTACCAAAATATACAGTGTGTTGAGGTTG 1817
1793 ACTAGAGA 1800
1818 ACTGAAGA 1825

RESULT 7

US-11-240-769-50
; Sequence 50, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
; APPLICANT: Soppet et al.
; TITLE OF INVENTION: 33 Human Secreted Proteins
; FILE REFERENCE: P2037P1C2
; CURRENT APPLICATION NUMBER: US/11/240,769
; CURRENT FILING DATE: 2005-10-03
; PRIOR APPLICATION NUMBER: 09/997,131
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 09/628,508
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: PCT/US00/03062
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 60/119,468
; PRIOR FILING DATE: 1999-02-10
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 50
; LENGTH: 1094
; TYPE: DNA
; ORGANISM: Homo sapiens

US-11-240-769-50

Query Match 9.2%; Score 190.4; DB 9; Length 1094;
Best Local Similarity 52.2%; Pred. No. 5.4e-20;
Matches 494; Conservative 0; Mismatches 446; Indels 6; Gaps 3;
QY 853 CAGGTGCATGGAGATGATTTAGACCATCAAGTCAACCACTGATATTTTCTCTCTGATT 912
Db 9 CCGGTGCACGGGACGCTCTCAGGCCCCCCCAGTACCCCATGATCTCAGTCCCTGCTG 68
QY 913 GGTTCGTGATGTCAGATATTTGCTGTGCTCTCATCGTTATTATTGTTGCAATGATAGAA 972
Db 69 GGTTCAGGATTCAGCTGTTCTGTATGATCCTCATGTCATCTTTGTAGCAATGCTGG 128
QY 973 GATTATATATCTAGAG---GGGATCAATGCTCAGTACAGCCATATTGTTCTATGCTGT 1029
Db 129 ATGCTGTGCTCCCTCCAGCCGGGAGCTCTCATGACCACAGCCCTGTTCTCTTCATGTT 188
QY 1030 AGTCTCCAGTGAATGTTTATTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAAGAGA 1089
Db 189 ATGGGGGTGTTTGGCGGATTTCTGCTGGCCGCTCTGTACCGCACTTTTAAAGGCCATCG 248
QY 1090 TGGATAAAGCAGATGTTTATTTGGGGCAATCTTATCCAGCTATGTTGTTGTCATGCC 1149
Db 249 TGGAGAAAGGAGCCCTTCTGTACGGCAACTCTGTACCTGGTGTGTTTGGCATCTGC 308
QY 1150 TTCTTCATCAATTTCAAGCCATTTATACCATGCTTCAAGAGCCATTCCTTTTGGNACA 1209
Db 309 TTGCTATTGAATTTGCTTCAATTTGGGGAAGCACTCATCAGAGCGGTGCCCTTCCACC 368
QY 1210 ATGTTGGCCGTTTGTGTCATCTGTTTGTGTTTATTTCTTCTTAAATCTTGTGTTGTA 1269
Db 369 ATGTTGGCTCTGCTGTGCAATGTG---GTTCCGGAATCTCTGCGCCCTGCTACTTGGCTA 427
QY 1270 ATACTTGGCCGAAATCTGTGAGTCAAGCCCAACTTTCTTGTGTTGTTCAATGCTGCT 1329
Db 428 CTACTTGGCTTCCGAAAGCAG---CCATATGACAACCTGTGCGCACCAACAGATTCCC 485
QY 1330 CGTCTATACCGGAGAAATAATGGTTCATGGAGCCCTGCGTTATTTGTTGCTCGGTGGA 1389
Db 486 CGGCAGATCCCGGAGCAGCGGTGTACATGAACCGATTTGTGGGCATCTCATGCTGGG 545
QY 1390 ATTTTACCTTTTGGTTCAATCTTTATTTGAAATGTAATTTTCACTTTTCACTGCTTT 1449
Db 546 ATCTTGGCCCTTGGCGCCATGTTTATCGAGCTCTTCTTCACTTTCAGTGTATCTGGAG 605
QY 1450 TATAAGATCTATTATGCTATGCTTTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1509
Db 606 AATCAGTCTCTATTACCTTTTGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 665
QY 1510 ACTGCTGTGACTATTGTTGTCACATATTTTCTACTAATATGACAGAGATACCGGTGG 1569
Db 666 TGTTCACAAATCAGCATCTGTCATGTTGTTATCTTCCAGCTGTGTCAGAGAGATACCG 725
QY 1570 CAATGACAAGTTTCTCTCTGCTGATCAACTGCAATCTATGTTTATCAATGATTTCTTT 1629
Db 726 TGTGTGAGAAATTTCTAGTCTCGGGGCTCTGCAATCTACGCTCTGTTTATGCAATC 785
QY 1630 TACTACTATTTTTCAAAACAAAGATGATGCTTATTTTCAAAACATCATTTTCTTTGGA 1689
Db 786 TTTTATTTTCGTTAAACAAAGTGGACATCGTGGAGTTTCATCCCTCTCTCTCTACTTTGG 845
QY 1690 TATATGGCGGATTTAGCACAGCTTGGGATTAATGTTGGAGCGATGTTGTTACATAGGA 1749
Db 846 TACACGGCCCTCATGCTCTTGTGCTTCTGCTGCTAAGCGGTACCATCGCTCTTATGCA 905
QY 1750 ACAAGTGCCTTTGTCCGAAAAATCTATCTAATGTTGAAAAATGACT 1795
Db 906 GCCTACATGTTTGTTCGCAAGATCTATGCTGCTGCTGAGATAGACT 951

RESULT 8

US-11-240-769-49


```
; Sequence 49, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
; APPLICANT: Soppet et al.
; TITLE OF INVENTION: 33 Human Secreted Proteins
; FILE REFERENCE: P2037P1C2
; CURRENT APPLICATION NUMBER: US/11/240,769
; CURRENT FILING DATE: 2005-10-03
; PRIOR APPLICATION NUMBER: 09/997,131
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 09/628,508
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: PCT/US00/03062
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 60/119,468
; PRIOR FILING DATE: 1999-02-10
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 49
; LENGTH: 1821
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-11-240-769-49

Query Match      8.3%; Score 172; DB 9; Length 1821;
Best Local Similarity 52.7%; Pred. No. 3.3e-17;
Matches 519; Conservative 0; Mismatches 445; Indels 20; Gaps 6;

QY 667 CCGTCTTTTCAACATCGGATTCATTTGGTTTCAATTTTCAATCTCTTCATGATGGT 726
DB 667 CCGTCTTTTCAACATCGGATTCATTTGGTTTCAATTTTCAATCTCTTCATGATGGT 726
QY 537 CTGACCATGAGTGCAGTCCAGATCCACTGGTTTCTATCAATTAACATCGGTTGTTGGTCC 596
DB 537 CTGACCATGAGTGCAGTCCAGATCCACTGGTTTCTATCAATTAACATCGGTTGTTGGTCC 596
QY 727 ATCTCTTTGGTGGGCTTAGTTTCATGATTTTAAAGCAATTAAGAAAGATTTATGCT 786
DB 727 ATCTCTTTGGTGGGCTTAGTTTCATGATTTTAAAGCAATTAAGAAAGATTTATGCT 786
QY 597 TTCCTCTGTCAGGTATCTGAGCATGATTAATCAATCGGACCCCTCGGAAGACATTCGC 656
DB 597 TTCCTCTGTCAGGTATCTGAGCATGATTAATCAATCGGACCCCTCGGAAGACATTCGC 656
QY 787 CGGTACAGTAAAGAGGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 846
DB 787 CGGTACAGTAAAGAGGAAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 846
QY 657 AACTACACAGGAGGATGACATTA-----AGACACCATGAGGAGTCTGGG 704
DB 657 AACTACACAGGAGGATGACATTA-----AGACACCATGAGGAGTCTGGG 704
QY 847 TGGAAACAGGTGATGAGGATGATTTA-GACCATCAAGTCAACCCACTGATATTTTCCTC 905
DB 847 TGGAAACAGGTGATGAGGATGATTTA-GACCATCAAGTCAACCCACTGATATTTTCCTC 905
QY 705 TGGAAATGTTGTCAGCGGAGCTCTTCAGGCGCCCTCCAGTACCCCATGATCCTCAGTCC 764
DB 705 TGGAAATGTTGTCAGCGGAGCTCTTCAGGCGCCCTCCAGTACCCCATGATCCTCAGTCC 764
QY 906 TCTGATTTGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 965
DB 906 TCTGATTTGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 965
QY 765 CTTGCTGGGCTCAGGATTCAGTCTGTTGATGATGATGATGATGATGATGATGATGATGAT 824
DB 765 CTTGCTGGGCTCAGGATTCAGTCTGTTGATGATGATGATGATGATGATGATGATGATGAT 824
QY 966 GATAGAGATTTATATATCTAGAG-----GGGGATCAATGCTCAGTACAGCCATATTTGCTA 1022
DB 966 GATAGAGATTTATATATCTAGAG-----GGGGATCAATGCTCAGTACAGCCATATTTGCTA 1022
QY 825 GCTTGGGATGCTGTCGCCCTCCAGCGGGAGCTCTCATGACCAAGCTGCTTCTCTT 884
DB 825 GCTTGGGATGCTGTCGCCCTCCAGCGGGAGCTCTCATGACCAAGCTGCTTCTCTT 884
QY 1023 TGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGTAGACAAAGGAG 1082
DB 1023 TGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGTAGACAAAGGAG 1082
QY 885 CATGTTTATGCGGGGTGTTGGCGGATTTCTGCTGCGCGTCTGTACCCGACCTTTAAAGG 944
DB 885 CATGTTTATGCGGGGTGTTGGCGGATTTCTGCTGCGCGTCTGTACCCGACCTTTAAAGG 944
QY 1083 AAGGATGGAATGAAGCAGATGTTTATTTGGGCAATCTTATCCAGCTATGTTGCTGG 1142
DB 1083 AAGGATGGAATGAAGCAGATGTTTATTTGGGCAATCTTATCCAGCTATGTTGCTGG 1142
QY 945 CCATCGGTGGAAGAAAGAGCGCTCTGTACCGCAACTCTGTACCCCTGTTGGTTTGG 1004
DB 945 CCATCGGTGGAAGAAAGAGCGCTCTGTACCGCAACTCTGTACCCCTGTTGGTTTGG 1004
QY 1143 CACTGCTCTTCTCATCAATTTTCATAGCCATTTATTTACCATGCTTCAAGAGCCATTTCTCTT 1202
DB 1143 CACTGCTCTTCTCATCAATTTTCATAGCCATTTATTTACCATGCTTCAAGAGCCATTTCTCTT 1202
QY 1005 CATCTGCTTCTGATTTGATTTGCTTCATTTTGGGAAGCACTCATCAGAGCGGTGCCCT 1064
DB 1005 CATCTGCTTCTGATTTGATTTGCTTCATTTTGGGAAGCACTCATCAGAGCGGTGCCCT 1064
QY 1203 TGGAAACATGTTGGCGGTGTTGTCATCTGTTTGTATTTTGTATTTCTCTTAATCTTGT 1262
DB 1203 TGGAAACATGTTGGCGGTGTTGTCATCTGTTTGTATTTTGTATTTCTCTTAATCTTGT 1262
QY 1065 TCCACCATGTTGGCTCTGCTGTGTCATGTG-CTTCGGGATCTCCCTGCGCCCTGCTACT 1123
DB 1065 TCCACCATGTTGGCTCTGCTGTGTCATGTG-CTTCGGGATCTCCCTGCGCCCTGCTACT 1123
QY 1263 TGGTACATATCTTGGCCGAATCTGTAGGTCAGCCCACTTTCTCTGCTGTGTCATGTC 1322
DB 1263 TGGTACATATCTTGGCCGAATCTGTAGGTCAGCCCACTTTCTCTGCTGTGTCATGTC 1322
QY 1124 TGGGCTACTTCTCGGCTTCGGAAGCAG--CCATATGACAAACCCCTGTGCGCAACCA 1181
DB 1124 TGGGCTACTTCTCGGCTTCGGAAGCAG--CCATATGACAAACCCCTGTGCGCAACCA 1181
QY 1323 TGTGCTGCTCTATATACCGGAGAAAAATGGTTTCATGAGCCTGCGGTTATTTGTTGCT 1382
DB 1323 TGTGCTGCTCTATATACCGGAGAAAAATGGTTTCATGAGCCTGCGGTTATTTGTTGCT 1382

; Sequence 21, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
; APPLICANT: Soppet et al.
; TITLE OF INVENTION: 33 Human Secreted Proteins
; FILE REFERENCE: P2037P1C2
; CURRENT APPLICATION NUMBER: US/11/240,769
; CURRENT FILING DATE: 2005-10-03
; PRIOR APPLICATION NUMBER: 09/997,131
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 09/628,508
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: PCT/US00/03062
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 60/119,468
; PRIOR FILING DATE: 1999-02-10
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
; LENGTH: 1816
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: SITE
; LOCATION: (504)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1405)
; OTHER INFORMATION: n equals a,t,g, or c
; US-11-240-769-21

Query Match      8.2%; Score 169.4; DB 9; Length 1816;
Best Local Similarity 52.0%; Pred. No. 8e-17;
Matches 514; Conservative 7; Mismatches 448; Indels 20; Gaps 6;

QY 663 TGATCCGCTCTTTTTCACATCGGATTCATTTGGTTTCAATTTTCAATCTCTTCATGAT 722
DB 663 TGATCCGCTCTTTTTCACATCGGATTCATTTGGTTTCAATTTTCAATCTCTTCATGAT 722
QY 520 TTACCTGACCATGAGTGCAGTCCAGATCCACTGGTTTCTATCAATTAACCTCCGTTGTT 579
DB 520 TTACCTGACCATGAGTGCAGTCCAGATCCACTGGTTTCTATCAATTAACCTCCGTTGTT 579
QY 723 GGTGATCTTCTTGGTGGGCTTAGTTTCAATGAATTTAATGAGAACATTAAGAAAGATTA 782
DB 723 GGTGATCTTCTTGGTGGGCTTAGTTTCAATGAATTTAATGAGAACATTAAGAAAGATTA 782
QY 580 GGTCTTCTTCTGTCAGGTATCTTGAGCATGATTTATCATTCGGACCCCTCCGGAAGGACAT 639
DB 580 GGTCTTCTTCTGTCAGGTATCTTGAGCATGATTTATCATTCGGACCCCTCCGGAAGGACAT 639
QY 783 TGCTCGGTGATGATTAAGAGGAGGAATGAGATGATGATGATGATGATGATGATGATGATGAT 842
DB 783 TGCTCGGTGATGATTAAGAGGAGGAATGAGATGATGATGATGATGATGATGATGATGATGAT 842
QY 640 TGCCAACTACAMCAAGGAGGATGACATTGA-----AGACACCATGAGGAGTCT 687
DB 640 TGCCAACTACAMCAAGGAGGATGACATTGA-----AGACACCATGAGGAGTCT 687
```


Db 630 CAATTTCATAGCCATTATTACCATGCTTCAAGAGCCATTCTTTTGGNACAATGGTG 573

RESULT 12

US-10-932-182A-478

; Sequence 478, Application US/10932182A

; Publication No. US20060046253A1

; GENERAL INFORMATION:

; APPLICANT: NAKAO, YOSHIHIRO

; APPLICANT: NAKAMURA, NORIHISA

; APPLICANT: KODAMA, YUKIKO

; APPLICANT: FUJIMURA, TOMOKO

; APPLICANT: ASHIKARI, TOSHIHIKO

; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS

; FILE REFERENCE: 030685-043

; CURRENT APPLICATION NUMBER: US/10/932,182A

; CURRENT FILING DATE: 2004-09-02

; NUMBER OF SEQ ID NOS: 197023

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 478

; LENGTH: 2019

; TYPE: DNA

; ORGANISM: Saccharomyces pastorianus

US-10-932-182A-478

Query Match 6.0%; Score 124.4; DB 7; Length 2019;

Best Local Similarity 46.4%; Pred. No. 4.7e-10;

Matches 567; Conservative 0; Mismatches 631; Indels 24; Gaps 4;

Qy 577 GTTCCAAATACATAATCCAGATGTCATATTCAGTAAATGGAAGATGAGATGTAAC 636

Db 817 GATAAAGATATGACGGTGTATTTTACCTACTCCGTCAATTCATGCTTCTGATACAGTT 876

Qy 637 TTTGAAGATCGATTGTGACAAATATCTTGATCGCTCTTTTTCACATCGGATCAATGG 696

Db 877 TGGGCTACAGATGGGCAAGATATCTACAT-----ATTATGATCCGCAAAATTCATGG 930

Qy 697 TTTTCAATTTTCACTCTTCATGATGTTGATCTCTTCTGGGCTAGTTTCAATGATT 756

Db 931 TTTTCTTTAAATTTCTCCATCATCATCATTTTACATCATCTGTTGATCTTCTTCTCT 990

Qy 757 TTAATGAGAACATTAAAGAAAGATTATGCTCGGTACAGTAAAGAGAGAAAGATGATGAT 816

Db 991 ATACTTCGGCTGTGAGAGTGAATTTGGCCGTATACGAA-----CTTCAC 1038

Qy 817 ATGATATGAGACCTAGGAGATGAATATGATGGAAACAGGTGTCATGAGATGATTTAGA 876

Db 1039 CTAGATAATGAATTTTCATGAGGATATCTGTTGGAAATTTAGGTTCATGTCATGATTTAGA 1098

Qy 877 CCATCAAGTCCCACTGATATTTTCTCTCTGATGTTCTGATGTTCTGATGTCAGATTTTCT 936

Db 1099 ACATCATCTAAATCAATGTTGTTATCTGTGCTGGGTTGAGGTATTCATATTTCTG 1158

Qy 937 GTGCTCT---CATCGTTATTATGTTGCAATGATAGAGATTTATATATCTAGAGAGGGA 993

Db 1159 ATGATCATATGAGCAATTTCTTCTGCTGATAGGCTCGTATACAGCTTCAAGAGGC 1218

Qy 994 TCAATGCTCAGPACAGCCATTTTCTGATGCTGCTACGCTCTCCAGTGAATGGTTATTTT 1053

Db 1219 TCTTTGCCAACCGTGATGTTGTTCTTCTTACGATATTTCCGCTTGTAGGTCTTATACT 1278

Qy 1054 GGAGGAGTCTGATGCTAGACAGAGGAGGAGATGATTAAGACAGATGTTTATTTGGG 1113

Db 1279 TCCATGGGTGCTATAGATTTTTCATGGACCTTATTTGAAGGCTTAATTTGATATACA 1338

Qy 1114 GCAATTCCTTATCCAGCTATGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1173

Db 1339 CCAATCTCTCTCTCTGCGCAATTTTCTATTAATAGTAGCAATGAACTTCTTCTTATA 1398

Qy 1174 TATTACCATGCTTCAAGAGCCATTTCTTTTGGAAACAATGGTGGCGGTTTGTGATCTGT 1233

Db 1399 TCTGGCAGTCTCTGGGTGTGATCCAGCAAGAGCGCTGTTTTCATATATCTTCTCTATGG 1458

Qy 1234 TTTTGTGTTATCTTCTCTAAATCTTGTGGTCAATATCTTGGCCGAATCTGTCAAGT 1293

Db 1459 TTTTCGGTGTCTATTTCATTTGCTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTT 1518

Qy 1294 CAGCCCAACTTTTCTGCTGCTCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1353

Db 1519 TGGGATGACATCAACAAAAACAACACAGATGCTCGACAAAGTCCATTTTCAAGCTTGG 1578

Qy 1354 TTTATGAGGCTGCGGTTTATTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1413

Db 1579 TACTTAAGGCAACACACAGGCAACCTTATTTGACAGGCAATTTTCTCTTTTGGTTCAATAGCC 1638

Qy 1414 ATTCAATGATTTTCACTCTTCACTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1473

Db 1639 GTTGAATTTATTTTCAATTTTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1698

Qy 1474 TTTCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1533

Db 1699 TTTTCTACTCTTTTCAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1758

Qy 1534 ACATATTTTCTAATAATGACAGAGATTCAGGTTGGCAATGGAACAAGTTTCTCTCTGCT 1593

Db 1759 ACGTATCATTTATGTTTGGAAATTTGTTGCGAGTGGAGGAGTTTATTTATTTGGT 1818

Qy 1594 GCATCAACTGCAATCTATGTTTACATGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1653

Db 1819 GGTT---TGGGATGTTTCAATTTATGTTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1875

Qy 1654 ATGATGCTGCTTATTTCAAAACATCATTTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1713

Db 1876 CTCGGTGGATTCGTCACAAATCATCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1935

Qy 1714 TTTGGGATATGTTGAGGAGTGGTTACATGGAACAAGTGGCTTTGTCGGAATATC 1773

Db 1936 TGTTCGCTTGTACAGGGGCGATCGGCTTTTTCAGTAGCATGATATTCATTTAGAAAGATT 1995

Qy 1774 TATACTAATGTGAAATTTGACT 1795

Db 1996 TATCTAGATTAAGTTCGAGT 2017

RESULT 13

US-10-932-182A-478

; Sequence 478, Application US/10932182A

; Publication No. US20060046253A1

; GENERAL INFORMATION:

; APPLICANT: NAKAO, YOSHIHIRO

; APPLICANT: NAKAMURA, NORIHISA

; APPLICANT: KODAMA, YUKIKO

; APPLICANT: FUJIMURA, TOMOKO

; APPLICANT: ASHIKARI, TOSHIHIKO

; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS

; FILE REFERENCE: 030685-043

; CURRENT APPLICATION NUMBER: US/10/932,182A

; CURRENT FILING DATE: 2004-09-02

; NUMBER OF SEQ ID NOS: 197023

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 478

; LENGTH: 2019

; TYPE: DNA

; ORGANISM: Saccharomyces pastorianus

US-10-932-182A-478

Query Match 6.0%; Score 124.4; DB 7; Length 2019;

Best Local Similarity 46.4%; Pred. No. 4.7e-10;

Matches 567; Conservative 0; Mismatches 631; Indels 24; Gaps 4;

Qy 577 GTTCCAAATACATAATCCAGATGTCATATTCAGTAAATGGAAGATGAGATGTAAC 636

Db 817 GATAAAGATATGACGGTGTATTTTACCTACTCCGTCAATTCATGCTTCTGATACAGTT 876

Qy 637 TTTGAAGATCGATTGTGACAAATATCTTGATCGCTCTTTTTCACATCGGATCAATGG 696

877	TGGCTACAAGATGGGCAAGTATCTACAT-----ATTATGATGATCGCAAAATTCAAATGG	930
697	TTTTCAATTTTTCAACTCCTTCATGATGGTGATCTTCTTGGTGGGCTTAGTTTTCAAATGATT	756
931	TTTTCTTTAATTAATTTCTCCATCATCATTTTTTACTATCATCTGTGGTTATTTCAATCT	990
757	TTAATGAGAACATTAAAGAAAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGAT	816
991	ATACTTCGGGCTGTGAAGAGTGATTTTGGCCGTTTATAACGAA-----CTTCAC	1038
817	ATGGATAGAGACCTTAGGAGATGAATATGGATGGAAACAGGTGCGATGGAGATGATTTTAGA	876
1039	CTAGATATGAATTTTCAATGAGTACTGGTTGGAAATTAGGTCAATGATGATTTTAGA	1098
877	CCATCAAGTCAACCACTGATATTTTCTCTCTGATGGTTCTGGAATCTCAGATATTTGCT	936
1099	ACATCATTAATCAATGGTGTATCTGTGCTCGTGGGTTTCAAGTATTCAAATATTTCTG	1158
937	GTGTCTCT---CATCGTTATTTTGTGGCAATGATAGAAGATTTATATACATGAGAGGGA	993
1159	ATGATCATATGTAGCATTTTCTTTGCTGCAATAGGCGCTCGTATCACAGCTTCAAGAGGC	1218
994	TCAATGCTCAGTACAGCCATATTTGTCTATGCTGCTACGCTCCAGTGAATTTGTTATTTT	1053
1219	TCTTTGGCAACCGTGATGTTTGTCTTTTACGCAATTTTCGGCTTTGTAGGTTCTTATCT	1278
1054	GGAGGAATCTGTATGCTAGACAGGAGGAGAGATGATATAAGCAGATGTTTATTTGGG	1113
1279	TCCATGGGTCTATATAGTTTTCATGAGACCTTATTTGGAAGGCTAATTTGATAATTTACA	1338
1114	GCATTCCTTATCCAGCTATATGGTGTTGGCACTGCCCTTTCTTCATCAATTTCAAGCAATT	1173
1339	CCAATCCTGCTTCTCGGCAATTTTCTATTAATAGTAGCAATGAACTTCTTCTTATTA	1398
1174	TATTACCATGCTTCAAGGCCATTTCCTTTGGACAAATGGTGGCGGTTTGTGCACTGCT	1233
1399	TCGCGCAGTCTCGGGTGTATCCCAGCAAGAACGCTGTTTTTCAFAATCTTCTCTAATGG	1458
1234	TTTTTTGTTATTTCTTCTCTAAATCTTTGTGGTACAATATCTTGGCCGAAATCTGTCAAGT	1293
1459	TTTTTCGGTGTCTATTTCCATTTGCTGTTGCTGTTTCATATATGGCTACAAAAGTGTAAAC	1518
1294	CAGCCCAACTTTCCTGTGTGTCAATGTGTGCTCGTCTCTATACCGGAGAAAAAATGG	1353
1519	TGGGATGAACATCCAAACAAAAACAAACAGATTCCTCGCAAAAGTCCATTTCAAGCCCTTG	1578
1354	TTCAATGAGCCTGCGGTTATTTGTTTGGCTGGTGGAAATTTTACCTTTTGGTTTCAATCTTT	1413
1579	TACTTAAAGGACAAACACAGGCAACCCCTTATTCAGGCAATTTTCTCTTTGGTTCAATAGCC	1638
1414	ATTGAAATGTATTTTCACTCTTCAACGCTTTTCTGGGCATATAAGATCTATATGTCTATGGC	1473
1639	GTGGAATTAATTTTCAATTTACTCCAGTTTATGGTTCAACAAGATTTTGTATGTTTGGT	1698
1474	TTCAATGATGTGTGTGGTTATCCCTGTGCAATGTGACTGTGTGTGGAATTTATGTTGTGC	1533
1699	TTTCTACTCTTTTCAATTTTGTGTGACTTTTAAACAACCTCATTTGGTAACTATTTTTCATT	1758
1534	ACATATTTTCTACTAAATGCAAGAGATTTACCGGTGGCAATGGCAACAAGTTTTTCTCTGCT	1593
1759	ACGTATCATTCATTTATGTTTGGAAAAATTTGGTTGTGGCAGTGGAGAGTTTATTAATTTGGT	1818
1594	GCATCAACTGCAATCTATGTTTATCATGTTATTCCTTTTACTACTATTTTTCAAAAACAAG	1653
1819	GGTT---TGGGATGTTTCAGTTTATGTTTATGTTTCAATGCAATATTTATTCAAAAATTCAA	1875
1654	ATGTATGGCTTATTTCAAACATCAATTTTACTTTTCGATATATGCGGTTATTTAGCACAGCC	1713
1876	CTCGTGGATTCGTACAACTCATCTGTATGTTTGGATATTTCATTTATGATATCTGTGCTA	1935
1714	TTGGGGATAATGTGTGAGCGAATGGTTTACATGGGAACAAGTGCCTTTGTCCGAAAAATC	1773
1936	TGTTGCGTGTGCACAGGGCGCATCGGCTTTTTCAGTAGCAGTATTTCAATTATAGAAAGATT	1995

QY	1774	TATAC	TAA	TGTG	AAAA	TTGACT	1795
Dp	1996	TATTC	TAGAG	TTAA	AGTCGAGT	2017	

RESULT 14

```

US-10-932-182A-4690
; Sequence 4690, Application US/109322182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHISA
; APPLICANT: KODAMA, YUKIO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030695-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4690
; LENGTH: 2025
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-4690

```

Query Match	5.8%	Score 120;	DB 7;	Length 2025;
Best Local Similarity	46.2%;	Pred. No. 2.le-09;		
Matches	562;	Conservative	0;	Mismatches 630;
				Indels 24;
				Gaps 4;
Qy	584	ATACTAAATCCAGATGTCATATTTCAGTAAATGGAAGAGTCAAGATGTGAAATTTGAAG	643	
Db	830	ATAATGAAGTTTATTTTACCTATTCGGTTAAATTCAGGAAATCCCCCACTTCATGGGCTA	889	
Qy	644	ATCGATTGTGCAAAATATCTTGATCCGTCCTTTTTCACAAATCGGATTCATGTTTTCAA	703	
Db	890	CCAGATGGGACAAATATTACA-----CGTTATGATCCTTCATCCCAATGGTTCCTCCT	943	
Qy	704	TTTTCAACTCCTTCATGATGGTGGATCTCTCTGGTGGGCTTAGTTTCAAATGATTTTAAATGA	763	
Db	944	TAATTAACCTCTCTTTGGTGGTGGCTATATATCATCCGTCGTTATCCCACTCACTACTGC	1003	
Qy	764	GAACATTAAAGAAAGATTATGTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATA	823	
Db	1004	GCGCCTTTGAAAGAGTGATTTCCGCTCCGTACAAACGAGTTAAACCTAGACGATGACTTCCA--	1061	
Qy	824	GAGACCTAGGAGATGAATATGATGGATGAACACAGGTGCATGGAGATGATTTATAGACCAATCAA	883	
Db	1062	-----AGAAAGATTCAGGCTGGAATTAACACCGGTGATGTTTCCGTTACCAA	1111	
Qy	884	GTCAACCACCTGATATTTTCTCTCTGATTTGGTTCTCGATGTCAGATATTTGCTGTGTC	943	
Db	1112	GCCAGTCACCTAATGCTCTCCATTTTGGTTGGTTCCAGGTGTCAATTATTTTCATGGTCA	1171	
Qy	944	TCATCGTTATATTGTTCGAAATGATAGAGATTTATATATCTAGAGGGGATCAATGCTCA	1003	
Db	1172	CTTGTGATATTTTTTTGGTGCATAGGTTTCCATACCCCTAGCTTAGAGGCTCGTTAG	1231	
Qy	1004	GTACAGCCATATTGTCTATGCTGCTACGTCCTCCAGTGAATGCTTATTTTGGAGGAA---	1060	
Db	1232	CCAGGTTATGTTTCATTCATATGCTTATTTGGATTTGTTGGTCTTACACATCCATGG	1291	
Qy	1061	GTCTGTATGCTAGACAAGGAGGAAGAGATGGGATAAGACAGATGTTTATTTGGGGCATTC	1120	
Db	1292	GTATCTACAAATTTTTCGATGGTCCCATACGTGAAGGCAAAATGTGATCATGACCCCGCTTT	1351	
Qy	1121	TTATCCAGCTATGGTGTGGGCACTGCCCTTCTTCATCAATTTTCATAGCCATTTATPACC	1180	
Db	1352	TAGTTCTCGGAGCTATTCATCTAGTAATCATTCGCACTGAACTTTTCTTAATGTTGTGCC	1411	
Qy	1181	ATGCTTCAAGAGCCATTCTTTTGGAAACAAATGGTGGCCGTTGTCGATCTGTTTTTTCG	1240	

Db 1412 ATCTCTGGGTATTCAGCAAGTACCTTTTATATGATATCTATGTTTTTAT 1471
Qy 1241 TTAATCTTCTCTAAATCTTTGGTACAAATCTTGGCGGAAATCTGTCAGGTACGCCA 1300
Db 1472 TCTCCATTCGGTTATCAATTTGCTGCTCTGTTGCCAGGAAGAGATGTCACGGGATG 1531
Qy 1301 ACTTTCCTTGTGCTCAATGCTGTCGCTGCTATACCGGAGAAAAATGTTTCATGG 1360
Db 1532 AGCATCCAAACGAAACGAAATTCGAAGCAAAATCCCTTCCAACTTGGTATCTGA 1591
Qy 1361 AGCTCGCGGTATTTGCTGCTGCTGGAATTTTACCTTTTGGTTCAATCTTTATGAAA 1420
Db 1592 AAACCTACCGGCTACTTTAATGCTGTAATTTCCCTTCCGTTCTATGCGGTTGAAT 1651
Qy 1421 TGTATTTCACTTCACTGCTTTCTGCGGATATGATCTATTTATGCTATGCTGCTATGA 1480
Db 1652 TGTATTTTATACCAAGTTTGTGTTCAATAAGATTTTCTACATGTTCCGGTTTCTAT 1711
Qy 1481 TGCTGGTGTGTTATCTGTCATGTCATGTCGCTGCTGTCGTCATTTGTCGTCATATT 1540
Db 1712 TTTTTCATTCCTTTTATGAGTTTGAACCTCGTTGCTGCTGTCATGTAATGATCACTTATC 1771
Qy 1541 TTCTACTAAATGCGAAGATACCGGTGCGCAATGACAAAGTTTCTCTCTGCTGCATCAA 1600
Db 1772 ATTGTTATGCTGAGAACTGGAAGTGGCAATGGAGGGGATTTATC---GTGAGGTG 1828
Qy 1601 CTGCAATCTATGTTTACATGATTTCTTTTACTACTATTTTTCAAAAAAGATGATG 1660
Db 1829 TCGGTTGCGCTGATGATTTATCCATTTCACTTATTCATTAATTAAGTTAGGTG 1888
Qy 1661 GCTTATTTCAACATCATTTTACCTTTGATATATGCGGATTTTATGACACGCTTGGGA 1720
Db 1889 GATTCGTTTACCATTGTTTGTACTTGGGATATTTCTGTTATTTCACTGCTATGTTGTT 1948
Qy 1721 TAAATGTTGGAGCGATTTGTTTACATGGAACAAAGTCCCTTTGTCGAAAAATCTATATA 1780
Db 1949 TAGTAACCTGGATCAATCGTTTCACTAGCAGCAATGTTCTTTATAGAAAGATTTACTCAT 2008
Qy 1781 ATGTGAAATGACTA 1796
Db 2009 CCATCAAAGTAGATTA 2024

RESULT 15

US-10-932-182A-4690
; Sequence 4690, Application US/10932182A
; Publication No. US20060046253A1

GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHIISA
; APPLICANT: KODAMA, YUKIKO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO

TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A

; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 4690
; LENGTH: 2025
; TYPE: DNA

; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-4690

Query Match 5.8%; Score 120; DB 7; Length 2025;
Best Local Similarity 46.2%; Pred No. 2.1e-09;

Matches 562; Conservative 0; Mismatches 630; Indels 24; Gaps 4;

Qy 584 ATACTAAATCCAGATGTCATATTCAGTAAATGAAAAAGTCAGATGTCGAAATTTGAAG 643
Db 830 ATATGAGTTTATTTTACCTATTTCGGTTAAATTCGAGGAATCCCCCACTTCATGGGCTA 889

Qy 644 ATGATTTGACAAATATCTTTGATCCGCTCTTTTCAACATCGGATTCATTTGGTTTCAA 703
Db 890 CCAGTGGGACAAATATTTACA-----CGTTATGATCTCTTATCCAATGGTTCTCCT 943
Qy 704 TTTTCACTCTTCATGATGCTGATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAATGA 763
Db 944 TAATTAATCTCTCTTTGGTGTGCTATATCATCCGCTGTTATCCACTCCTACTATGTC 1003
Qy 764 GAACATTTAAGAAAGATTTATCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGA 823
Db 1004 GCGCTTTGAAGAGTATTTGCTCGGTACAAACGAGTTAAACCTAGACGATGACTTCCA-- 1061
Qy 824 GAGACCTAGAGATGAATATGAGTGAACAGGTGCAATGGAGATGATTTAGACCATCAA 883
Db 1062 -----AGAAGATTTCAGGCTGGAATTTAAACCAACGCTGATGTTTCCGTTTACC 1111
Qy 884 GTCAACCATGATATTTTCTCTGATTCGTTCTGATGTCAGATGTCAGATATTTGCTGTG 943
Db 1112 GCCAGTCACTAATGCTCTCCATTTTGGTGGTTCAGGTGTTCAATATTTTGTATGTC 1171
Qy 944 TCATCGTTATTTTGTGCAATGATAGAAGATTTATATCTAGAGGGGATCAATGCTCA 1003
Db 1172 CTTGTAGTATTTTGTGCTGCAATAGTTTCTCTATCACCTAGCTCTAGAGGCTCGTTAG 1231
Qy 1004 GTACAGCATATTTTGTCTATGCTGCTACGTCCTCAGTGAATGTTATTTTGGAGGAA-- 1060
Db 1232 CCAGGTTATGTTTCAATCTATATGCTTATTTGGATTTTGTGGTCTTACACATCCATG 1291
Qy 1061 GTCTGTATGCTAGCAAGGAGGAGGATGGAATAAGACAGATGTTTATTTGGGCAATTC 1120
Db 1292 GTATCTACAAATTTTTCGATGGTCCATCTGGAAGGCAATGATGATCATGACCCGCTTT 1351
Qy 1121 TTAATCCAGCTATGTTGTGCGCATGCTCTTTCATCAATTTCAATAGCCATTTATTAAC 1180
Db 1352 TAGTTCTGAGGCTATTTCTACTAGTAATCATTTGCACTGAACTTTTCTTAATGTTTCT 1411
Qy 1181 ATGCTTCAAGACCATTCCTTTTGGACATGCTGCGGCTTGTGTCATCTGTTTGTG 1240
Db 1412 ATTCTTCTGTTATTTCCAGCAAGTACTTTGTTTATGTTATCTTATGTTTAT 1471
Qy 1241 TTAATCTTCTCTAAATCTTTGTTGTCACATACTTGGCCGAAATCTGTGAGTCAAGCCA 1300
Db 1472 TCTCCATTCGTTATCAATTTGCTGTTCTCTGTTGCCAGGAGAGATGTCATGGGATG 1531
Qy 1301 ACTTTCCTTGTGTCATGTCGTCCTCTATACCGGAGAAAAATGTTTCATGG 1360
Db 1532 AGCATCCAAACGAAACGAAATTTGAAGACAAATCCCTTCCAACTTGGTATCTGA 1591
Qy 1361 AGCTCGGTTATTTGTTGCTGCGGATTTTACCTTTTGGTTCATCTTATTTATGAAA 1420
Db 1592 AAATCTTACCGGCTACTTTAAATTTGCTGGTATTTTCCCTTCCGTTCTATTTGCGGTT 1651
Qy 1421 TGTATTTCACTTTCACTCTTTCTGCGCATATAGATCTATATGTCATGCTTCAATGA 1480
Db 1652 TGTATTTTATACCAAGTTTGTGTTGTTCAATGAATTTTCTACATGTTGCGGTTCTAT 1711
Qy 1481 TGCTGTTGCTGTTATTCCTGTCATTTGTCATGCTCTGTTGTCATTTGTTGTCATATT 1540
Db 1712 TTTTTCATTTCTTTTATGACGTTGACCACTCGTTGGTCACTGTAATGATCACTTATC 1771
Qy 1541 TTCTACTAAATGCGAAGATACCGGTGCGCAATGGAACAGTTTCTCTCTGCTGCATCAA 1600
Db 1772 ATTGTTATGCTGAGAACTGGAAGTGGCAATGGAGGGGATTTATC---GTGAGGTG 1828
Qy 1601 CTGCAATCTATGTTTACATGATTTCTTTTACTACTATTTTTCAAAAAAGATGATG 1660
Db 1829 TCGGTTGCGCTGATGATTTATCCATTTCACTTATTCATTAATTAAGTTAGGTG 1888
Qy 1661 GCTTATTTCAACATCATTTTACCTTTGATATATGCGGATTTTATGACACGCTTGGGA 1720
Db 1889 GATTCGTTTACCATTGTTTGTACTTGGGATATTTCTGTTATTTCACTGCTATGTTGTT 1948

Search completed: March 10, 2006, 22:46:09
Job time : 669.273 secs

QY 254 AGTGTCTGGTATTAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAATTCAT 313
DB |||||
QY 301 AGTGTCTGGATTAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAATTCAT 360
DB |||||
QY 314 TTAGATAAAGAAAGAGAGATGATTTGTATATGCCATAAATAATCATTTACTGGTACCAG 373
DB |||||
QY 361 TTAGATAAAGAAAGAGAGATGATTTGTATATGCCATAAATAATCATTTACTGGTACCAG 420
DB |||||
QY 374 ATGTACATAGATGATTTACCAATATGGGGTATTTGGTGGAGGCTGATGAAATGGAGAA 433
DB |||||
QY 421 ATGTACATAGATGATTTACCAATATGGGGTATTTGGTGGAGGCTGATGAAATGGAGAA 480
DB |||||
QY 434 GATTACTATCTTGGACCTATTAATAAAGCTGAAATAGCTTTTAAATGGAAATCGAATGCTT 493
DB |||||
QY 481 GATTACTATCTTGGACCTATTAATAAAGCTGAAATAGCTTTTAAATGGAAATCGAATGCTT 540
DB |||||
QY 494 GATGTTAATCTAACTAGTGAAGAAAGCTGAAATAGCTTTTAAATGGAAATCGAATGCTT 553
DB |||||
QY 541 GATGTTAATCTAACTAGTGAAGAAAGCTGAAATAGCTTTTAAATGGAAATCGAATGCTT 600
DB |||||
QY 554 TCATATTCAGTAAATGAAAGAGTCAATGTGAATTTGAAGATCGAATTTGACAAATAT 613
DB |||||
QY 601 TCATATTCAGTAAATGAAAGAGTCAATGTGAATTTGAAGATCGAATTTGACAAATAT 660
DB |||||
QY 614 CTTGATCCGTCCTTTTCAACATCGGATTCATTTGGTTCCTTCAATTTCAACTCCCTTCATG 673
DB |||||
QY 661 CTTGATCCGTCCTTTTCAACATCGGATTCATTTGGTTCCTTCAATTTCAACTCCCTTCATG 720
DB |||||
QY 674 ATGGTATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAAATGAGAAATTAAGAAAGAT 733
DB |||||
QY 721 ATGGTATCTTCTTGGTGGGCTTAGTTTCAATGATTTTAAATGAGAAATTAAGAAAGAT 780
DB |||||
QY 734 TATGCTCGGTACAGTAAAGAGAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 793
DB |||||
QY 781 TATGCTCGGTACAGTAAAGAGAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 840
DB |||||
QY 794 TATGCTCGGTACAGTAAAGAGAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 853
DB |||||
QY 841 TATGCTCGGTACAGTAAAGAGAGAAATGGATGATATGGATAGAGACCTAGGAGATGAA 900
DB |||||
QY 854 TCCTCTCTGATGGTTCCTGATGTCAGATATTTGCTGTCTCTCATCTGTTATTTATTTGTT 913
DB |||||
QY 901 TCCTCTCTGATGGTTCCTGATGTCAGATATTTGCTGTCTCTCATCTGTTATTTATTTGTT 960
DB |||||
QY 914 GCAATGATAGAGATTTATATCTAGAGAGGATCAATGCTCAGTACAGCCATTTGTC 973
DB |||||
QY 961 GCAATGATAGAGATTTATATCTAGAGAGGATCAATGCTCAGTACAGCCATTTGTC 1020
DB |||||
QY 974 TATGCTGCTAGCTCTCCAGTCAATGGTATTTTGGAGGAAGTCTGTATGCTAGACAGGA 1033
DB |||||
QY 1021 TATGCTGCTAGCTCTCCAGTCAATGGTATTTTGGAGGAAGTCTGTATGCTAGACAGGA 1080
DB |||||
QY 1034 GGAAGGAGATGGATAAAGCAGATGTTTATTTGGGCAATTCCTTATCCAGCTATGCTGTGT 1093
DB |||||
QY 1081 GGAAGGAGATGGATAAAGCAGATGTTTATTTGGGCAATTCCTTATCCAGCTATGCTGTGT 1140
DB |||||
QY 1094 GGCACCTGCTTCTTCAATCAATTTCAATAGCCATTTATACCAATGCTTCAAGAGCCATTCCT 1153
DB |||||
QY 1141 GGCACCTGCTTCTTCAATCAATTTCAATAGCCATTTATACCAATGCTTCAAGAGCCATTCCT 1200
DB |||||
QY 1154 TTTGGAAATGGTGGGCTTTGTGCAATCTGTTTGTGTTTGTGTTTCTCTTAAATCTT 1213
DB |||||
QY 1201 TTTGGAAATGGTGGGCTTTGTGCAATCTGTTTGTGTTTGTGTTTCTCTTAAATCTT 1260
DB |||||
QY 1214 GTTGGTACAAATCTTGGCCGAAATCTGTCAGGTCAAGCCAACTTCTTGTGCTGTCAT 1273
DB |||||
QY 1261 GTTGGTACAAATCTTGGCCGAAATCTGTCAGGTCAAGCCAACTTCTTGTGCTGTCAT 1320
DB |||||
QY 1274 GCTGTGCTCTGCTTATACCGAGAGAAATTTGTTTCAATGAGGCTGCGGTTATTTGTTTC 1333
DB |||||
QY 1321 GCTGTGCTCTGCTTATACCGAGAGAAATTTGTTTCAATGAGGCTGCGGTTATTTGTTTC 1380
DB |||||
QY 1334 CTGGTGGAAATTTTACCTTTTGGTTCAATCTTTATTTGAATGATTTTCACTTCCAGTCT 1393
DB |||||

DB 1381 CTGGTGGAAATTTTACCTTTTGGTTCAATCTTTANTGAAATGATTTCACTTCACGTCT 1440
QY |||||
QY 1394 TTCTGGGCATATAAGATCTATTATGCTATGCTCTCATGATGCTGGTGTGCTGTTATCCTG 1453
DB |||||
QY 1441 TTCTGGGCATATAAGATCTATTATGCTATGCTCTCATGATGCTGGTGTGCTGTTATCCTG 1500
DB |||||
QY 1454 TGCATTTGATCTGCTGTGTGATCTATTGCTGTGACATATTTTCTACTAAATGCAAGAT 1513
DB |||||
QY 1501 TGCATTTGATCTGCTGTGTGATCTATTGCTGTGACATATTTTCTACTAAATGCAAGAT 1560
DB |||||
QY 1514 TACCGTGGCAATGGAACAAGTTTCTCTGCTGTCATCAACTGCAATCTATGTTTACATG 1573
DB |||||
QY 1561 TACCGTGGCAATGGAACAAGTTTCTCTGCTGTCATCAACTGCAATCTATGTTTACATG 1620
DB |||||
QY 1574 TATTCCTTTTACTACTATATTTTCAAACAAGATGATGCTTATTTCAAACATCATTT 1633
DB |||||
QY 1621 TATTCCTTTTACTACTATATTTTCAAACAAGATGATGCTTATTTCAAACATCATTT 1680
DB |||||
QY 1634 TACTTTGGATATATGCGGCTTATTAGCAGCCTTGGGGATATGCTGGAGCGATTTGGT 1693
DB |||||
QY 1681 TACTTTGGATATATGCGGCTTATTAGCAGCCTTGGGGATATGCTGGAGCGATTTGGT 1740
DB |||||
QY 1694 TACATGGGAACAAGTGCCTTTTGTCCGAAATCTATATAATGTGAAAAATTTGACTAGAGA 1753
DB |||||
QY 1741 TACATGGGAACAAGTGCCTTTTGTCCGAAATCTATATAATGTGAAAAATTTGACTAGAGA 1800
DB |||||
QY 1754 CCCAAGAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACCTTGCAAGC 1813
DB |||||
QY 1801 CCCAAGAAACCTGGAACTTTGGATCAATTTCTTTTTCATAGGGGTGGAACCTTGCAAGC 1860
DB |||||
QY 1814 AAAAAACAACAAC 1827
DB |||||
QY 1861 AAAAAACAACAAC 1874
DB |||||

RESULT 3
US-09-621-976-18829
; Sequence 18829, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 18829
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-18829

Query Match 24.3%; Score 444; DB 3; Length 444;
Best Local Similarity 100.0%; Pred. No. 7.4e-107;
Matches 444; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 503 CTAACTAGTGAAGGAAAGGTGAAACCTGGTTCCAAATACTAAAAATCCAGATGTCAATTTCA 562
DB |||||
QY 563 GTAAAAATGAAAAAGTCAGATGTGAAATTTGAAAGATCGATTTGACAAATATCTTGATCCG 622
DB |||||
QY 61 GTAAATGGAAGAAGTCAGATGTGAAATTTGAAAGATCGATTTGACAAATATCTTGATCCG 120
DB |||||
QY 623 TCCTTTTTCACACATCGGATTCATTTGTTTCAATTTTCACTCTTCAATGATGCTGATC 682
DB |||||
QY 121 TCCTTTTTCACACATCGGATTCATTTGTTTCAATTTTCACTCTTCAATGATGCTGATC 180
DB |||||
QY 683 TTCCTGTTGGCTTAGTTTCAATGATTTTAAATGGAACATTTAAGAAAAAGATTATGCTCG 742
DB |||||

; ORGANISM: Drosophila melanogaster
US-09-270-767-679

Query Match 20.2%; Score 369.8; DB 3; Length 771;
Best Local Similarity .67.7%; Pred. No. 3.3e-87;
Matches 518; Conservative 0; Mismatches 247; Indels 0

563	QY	GTAAATGGAAAAAGTCAGATGTGAAATTTGAAGATCGATTTGACAAATATCTTGATCCG	622
765	Db	GTCAACTGGAAGCCACGCAAGGTGGAGTTCAAGAAATCGATTCGACAAAGTACTCTGATCCC	706
623	QY	TCCTTTTTTCAACATCGGATTCATTGGTTTTCAATTTTCAACTCCTTCATGATCGTGATC	682
705	Db	AACCTTCTTCAGCACAGATCCACTGGTTGAGCATCTTCAACAGCTTCATGATGGTCAATC	646
683	QY	TTCTTGTTGGGCTTGTAGTTTCAATGATTTTAAATGAGAACATTTAAGAAAGATTTATGCTCGG	742
645	Db	TTCTCTGGTGGTCTGGTGTCCATGATTTCTGATGCGAACTCTGCGCAAGGATTATGCTCGG	586
743	QY	TACAGTAAAGAGGAGAAATGGATGATATGGATAGAGACCTAGAGAGATGAATATGGATGG	803
585	Db	TACAGTAAAGGACGAGGAAATCGACGACATGGAGCGAGATCTCTGGTGTGATGAATACCGGCTGG	526
803	QY	AAACAGGTGCATGGAGATGTATTTTAGACCATCAAGTCACCCACATGATATTTTCCCTCTCTG	862
525	Db	AAGCAGGTGCATGGCGATGTCCTCCGTTCTCGGCCCAACACACTGCTCTTCTCGGCGTTG	466
863	QY	ATTGGTTCTCGATGTCAGATATTTGCTGTGTCTCTCATCGTTATTTATTTGTGCAATGATA	922
465	Db	GTGGCGCTGGATACCACTGATTTCCGTTGTATTTCTGTGTGATCATGTTTCGCCATAGTT	406
923	QY	GAAGATTTATATCTAGAGAGGGATCAATGCTCAGTACAGCCATATTTGTCTATGCTGTCT	982
405	Db	GGTGAATTGTACACGGAACGCGCTCCATGCTGTCCACGGCTATATTTGTATATGCGGCC	346
983	QY	ACGTCTCCAGTGAATGTTATTTTGGAGGAGTCTGTATGCTAGACAGGAGGAAGGAGA	1042
345	Db	ACCTCAACCAATCAATGGATATCTTTGGAGGATCGCTCTATGCCCCCTGGGTGGAGCGGATG	286
1043	QY	TGGATTAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCTATGTGTGTGGCACTGCC	1102
285	Db	TGATCCGACAGATCTGGTGTCCGCTTTACAGTTCCAGTGGCTGTGTGGCGCACGGCT	226
1103	QY	TTCTTTCATCAATTTTCATGAGCAATTTATACCATGCTTCAAGAGCCATTCCTTTTGGAAACA	1162
225	Db	TTCTGTATCAACTTCAATTGCCATTGGATATCACGCCTCGAGAGCCATTCCTCTCGGTACC	166
1163	QY	ATGGTGGCCGTTTGTGATCTGTTTTTTTGTGTTATTTCTTCTCTAAATCTTGTTGGTACA	1222
165	Db	ATGGTGGCGGTACGTCGATCTGCTGTGTGTGATCTGCGCTTTGATCTGCGGTGGGTACT	106
1223	QY	ATACTTGGCCGAAATCTGTCAAGTTCAGCCCCAACTTTCCTTGTCTGTGTCAATGCTGTGCTT	1282
105	Db	GTGTTGGGCGCATCTGGACGGCCAAACCGGACTTTCCATGCGCGCTCAACGCGGTGCCA	46
1283	QY	CGTCTCTATACCGGAGAAAAAATGTTTCATGGAGCTGCGGTTATT	1327
45	Db	CGACCCCATTCGGAAGAAGTGTGTACATGAGGACCACTGATTATT	1

RESULT 6

```

US-09-270-767-15961/c
; Sequence 15961, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and
; FILE REFERENCE: File Reference: 7326-0
; CURRENT APPLICATION NUMBER: US/09/270,
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15961

```

```

; LENGTH: 771
; TYPE: DNA
; ORGANISM: D
US-09-270-767-1

```

Query Match 20.2%; Score 369.8; DB 3; Length 771;
Best Local Similarity 67.7%; Pred. No. 3.3e-87;
Matches 518; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

563	QY	GTAAATGGAAAGTCAGATGTGAATTTGAAGATCGATTTCACAAATATCTTGATCCG	622
564	DB		
765	DB	GTCAACTGGAAAGCCACGACGAGTGAGTTTCAAGAAATCGAATTCGACAAAGTACCTGGATCCC	706
766	DB		
623	QY	TCCCTTTTTCACATCGGAATTCATTCGTTTTCAAATTTTCAATCTTCAATCTTCAATGATGGTGATC	682
705	DB		
683	QY	TTCTTGGTGGCTTAGTTTCAATGATTTTAAATGAGAAACATTAAGAAAGAAGATTAATGCTCGG	742
645	DB		
743	QY	TACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGAGAGATGAATATGGATGG	802
585	DB		
803	QY	TACAGTAAGGACGAGGAAATTCGACGACATGGAGCGGAGATCTTGGTGATGAATACGGCTGG	526
525	DB		
863	QY	ATATGGTCTTCGGATGTCCAGATATTTGCTGTGTCTCTCATCGTTATTAATTTGTCGAATGATA	922
465	DB		
923	QY	GAAGATTTATATCTCAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCTATATGCTGT	982
405	DB		
983	QY	ACGCTCCAGTGAATGGTTATTTTGGAGGAGTCTGTATGCTAGACAAAGAGAGGAGGAGA	1042
345	DB		
1043	QY	TGGATAAAGCAGATGTTTATTTGGGGCAATTCCTTATCCAGCTATATGTTGTGTGGCACTGCC	1102
285	DB		
1103	QY	TTCTTCATCAATTCATAGCCATTATTAACATGCTTCAAGAGCCATTCCTTTTGGAAACA	1162
225	DB		
1163	QY	ATGGTGGCCGTTTGTGTCATCTGTTTTTTTGTATTTCTTCCTCTAAATCTTTGTTGGTACA	1222
165	DB		
1223	QY	ATATCTTGGCCGAATCTGTCCAGGTACAGCCCAAATTTCTTGTGGTGTCAATATGCTGTGCCCT	1282
105	DB		
1283	QY	CGTCTCTATACCGGAGAAAAATGGTTTCATGGAGCCCTGCGGTTATT	1327
45	DB	CGACCAATTTCCCGAAAGAGAGTGGTACATGGAGCCACTGATTAAT	1

RESULT 7

US-09-513-999C-3502
 ; Sequence 3502, Application US/09513999C
 ; Patent No. 6783961
 ; GENERAL INFORMATION:
 ; APPLICANT: Dumas Milne Edwards, J.B.
 ; APPLICANT: Duclert, A.
 ; APPLICANT: Giordano, J.Y.
 ; TITLE OF INVENTION: Expressed Sequence
 ; Patent No. 6783961
 ; FILE REFERENCE: 59, US2.REG

```
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 3502
; LENGTH: 433
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 100..432
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 86
; OTHER INFORMATION: m=a or c
US-09-513-999C-3502

Query Match      20.0%; Score 364.8; DB 3; Length 433;
Best Local Similarity 98.9%; Pred. No. 5.2e-86;
Matches 366; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 77 CACACGTATCAAGATAAAGAGGAAGTTGCTTATGATGAATACTCTTGGGCCCTACCAT 136
DB 64 CAGCAGTATCAAGATAAAGAGGAGTTGCTTATGATGAATACTCTTGGGCCCTACCAT 123
QY 137 AATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAGT 196
DB 124 AATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGGTCAAAAAAAGT 183
QY 197 ATCAGTCATTACCATGAATCTGGGAGAGCACTTCAAGGGGTTGAAATGGATTTAGT 256
DB 184 ATCAGTCATTACCATGAATCTGGGAGAGCACTTCAAGGGGTTGAAATGGATTTAGT 243
QY 257 GGTCTGGATTAATAATTAAGATGATGTGATGCCAGCACTTACTGTGAAATTTGATTTA 316
DB 244 GGTCTGGATTAATAATTAAGATGATGTGATGCCAGCACTTACTGTGAAATTTGATTTA 303
QY 317 GATAAGAAAAGAGAGATGATTTGATATGCCATAAAAAAATCATTACTGGTACCAAGATG 376
DB 304 GATAAGAAAAGAGAGATGATTTGATATGCCATAAAAAAATCATTACTGGTACCAAGATG 363
QY 377 TACATAGATGATTTACCATATGCGGTATTTGTTGGTGGCTGATGAAATGGAGAAGAT 436
DB 364 TACATAGATGATTTACCATATGCGGTATTTGTTGGTGGCTGATGAAATGGAGAAGAT 423
QY 437 TACTATCTTT 446
DB 424 TACTATCTTT 433

RESULT 8
US-09-270-767-28434
; Sequence 28434, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28434
; LENGTH: 571
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-28434

Query Match      12.6%; Score 230.8; DB 3; Length 571;
Best Local Similarity 72.7%; Pred. No. 1.1e-50;
Matches 298; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 1347 TACCTTTTGGTTCATCTTTATTTGAAATGTTATTTTCACTCTTCTCAGCTCTTTCTGGGCATATA 1406
DB 1 TGCCCTTTGGATCCATCTTCTATTGAGATGATCTTCTCATCTTCACTCTTCTGGGCATATA 60
QY 1407 AGATCTATTATGCTATGCTTTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1466
DB 61 AGATCTATTATGCTATGCTTTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
QY 1467 TCTGTGCTGCTATTTGTGTCACATATTTTCTACTAAATGTCAGAGATTTACCGGTGGCAAT 1526
DB 121 TGTGGTCAACCATCGTGTGCACTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
QY 1527 GGACAAGTTTTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1586
DB 181 GGACGAGTTTTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
QY 1587 ACTATTTTTCAAAACAAAGATGATGCTTATTTTCAAAACATCATTTTACTTTTGGATATA 1646
DB 241 ACTTCTTCTTTAAAACCAAAATGTTGGTCTGTTCCAAACGGCTTCTTACTTTGGCTACA 300
QY 1647 TGGCGGTATTTAGCACAGCCTTGGGGATAATGTTGGAGCGATGTTGTTACATGTTGGAACAA 1706
DB 301 TGGCACTCTTCAGCGGCGCTTGGGCATTTATCTGCGCACCGTCTGCTATGTGGGCACGA 360
QY 1707 GTGCCCTTTGTCGAAAATCTTACTATGTAATGTAATTTGACTAGAGAGCC 1756
DB 361 ATCTCTTTTGTGCGCAAAATCTTATTTCCAAATGTGAAATAGACTTAAGAGAGCC 410

RESULT 9
US-09-270-767-12633
; Sequence 12633, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12633
; LENGTH: 1151
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-12633

Query Match      12.6%; Score 230.8; DB 3; Length 1151;
Best Local Similarity 72.7%; Pred. No. 1.5e-50;
Matches 298; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 1347 TACCTTTTGGTTCATCTTTATTTGAAATGTTATTTTCACTCTTCTCAGCTCTTTCTGGGCATATA 1406
DB 1 TGCCCTTTGGATCCATCTTCTATTGAGATGATCTTCTCATCTTCACTCTTCTGGGCATATA 60
QY 1407 AGATCTATTATGCTATGCTTTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1466
DB 61 AGATCTATTATGCTATGCTTTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
QY 1467 TCTGTGCTGCTATTTGTGTCACATATTTTCTACTAAATGTCAGAGATTTACCGGTGGCAAT 1526
DB 121 TGTGGTCAACCATCGTGTGCACTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
QY 1527 GGACAAGTTTTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1586
DB 181 GGACGAGTTTTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
QY 1587 ACTATTTTTCAAAACAAAGATGATGCTTATTTTCAAAACATCATTTTACTTTTGGATATA 1646
DB 241 ACTTCTTCTTTAAAACCAAAATGTTGGTCTGTTCCAAACGGCTTCTTACTTTGGCTACA 300
QY 1647 TGGCGGTATTTAGCACAGCCTTGGGGATAATGTTGGAGCGATGTTGTTACATGTTGGAACAA 1706
```



```

; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0414 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2805 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: ADRETUT06
; CLONE: 2822412
;
US-08-959-004-6

Query Match      12.5%; Score 227.6; DB 3; Length 2805;
Best Local Similarity 51.9%; Pred. No. 1.6e-49;
Matches 596; Conservative 0; Mismatches 534; Indels 18; Gaps 3;

QY      609 AATATCTTGATCCGTCCTTTTTCACATCGGATTCATGGTGTTCATATTTCAATTTTCAACTCCCT 668
DB      1044 ACTATATCTGGAGTCTATGCTCATACCCACATTCAGTGGTTTAGCATTTATGAATTTCCC 1103

QY      669 TCATGATGGTGATCTTCTTGTGGGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAA 728
DB      1104 TGGCATGTTCCTCTTCTATCTGGAATGGTAGCTATGATTTATGTTAGGCACTGCACA 1163

QY      729 AAGATTATGCTCGGTACAGTAAAGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAG 788
DB      1164 AAGATATTGCTAGATATAAATCAGATGGACTCTACGGAAGATGCCAG-----G 1211

QY      789 ATGAATATGGATGGAACAGGTGCATGGAGATGTATTTAGACCATCAAGTCACCCACTGA 848
DB      1212 AAGAAATTGGCTGGAAACTTGTTATGGTGATATATTCGGTCTCCCAAGAAAAGGGATGC 1271

QY      849 TATTTTCTCTCTGATTGGTTCTCGATGTGAGATGTGAGATTTTGTGTGTCCTCATCGTTATTA 908
DB      1272 TGCTATCAGCTTTCTAGGATCCGGACACAGATTTTAATTAGACCTTTGTGACTCTAT 1331

QY      909 TTGTTGCAATGATAGAAGATTATATATCTGAGAGGGGATCAATGCTCAGTAC---AGCCA 965
DB      1332 TTTTCGGCTTGCTGGGATTTTGTGCACCTGCCAACCGAGGAGCGCTGATGACGTGTGCTG 1391

QY      966 TATTTGTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTATGCTA 1025
DB      1392 TGGTCTGTGGGTGCTGCTGGGACCCCTCGAGGCTATGTTGTCTGCCAGATTCTATAAGT 1451

QY      1026 GACAAGCAGGAAGGAGATGGATAAGCAGATGTTTATTTGGGGCAATTCCTTATCCACGCTA 1085
DB      1452 CCTTTGGAGGTGAGAGTGGAAACAATGTTTTTATTAAACATCATTTCTTTGTCTGGGA 1511

QY      1086 TGGTGTGTGGCACTCCCTTCTTCATCAATTTATGAGCCATTTATTAACCATGCTTCAAGAG 1145
DB      1512 TTGTATTTGCTGACTTCTTTATATATGAATCTGATCCCTCGGGGAGAAGGATCTTCAGCAG 1571

QY      1146 CCATTCCTTTTGGAAACAATGGTGGCCGTTGTTGTCATCTGTTTTTTTGTATTCTTCCTC 1205
DB      1572 CTATTCCTTTTGGGACACTGGTTGCCATATTTGGCCCTTTGGTTCTGCAATATCTGTGCCTC 1631

QY      1206 TAAATCTGTTTGGTACAAATCTTGGCCGAATCTGTCCAGGTACAGCCCAACTTTCCTTGTG 1265
DB      1632 TGACGTTTATTTGGTGCACTCTTTGGTTTTAAGAAGAATGCCATTGAACAC---CCAGTTC 1688

QY      1266 GTGTCAATGCTGSCCTCGTCTATATACCGGAGAAAAAATGTTTCATGGAGCCTGCGGTTA 1325

```

RESULT 13
US-09-270-767-14715
; Sequence 14715, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:

Query Match 7.3%; Score 132.8; DB 3; Length 726;

```

US-09-313-294A-2292

Query Match          5.5%; Score 101; DB 3; Length 262;
Best Local Similarity 68.4%; Pred. No. 1.2e-16;
Matches 154; Conservative 0; Mismatches 70; Indels 1; Gaps 1;

Qy 1467 TCTGTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAGATTACCGTGGCAAT 1526
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 39 TCTGCGTCGCTATTGTGGGTACTATTCTTCTGCTGAACGCCGAGAACTACCAATTGGCAAT 98
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Qy 1527 GGCACAGTTTTTCTCTCTGTGTCATCAACTGCAATCTATGTTTACATGATTTCCTTTACT 1586
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 99 GGACGTCGTTTTCTTCTGCAGCGCTCAACCGCTCTGTACGTGTATCTGTACTCCATCTACT 158
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Qy 1587 ACTATTTTTTCAAACAAGAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATA 1646
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 159 ACTACCATGTGAAGACAAAGATGTACGGCTCTTTCAGAACAGTTTCTATTTCGGCTACA 218
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Qy 1647 TGGCGGTATTATTAGCAGAGCCTTTGGGGATAATGTGTGGAGCGGATTG 1691
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 219 CGCTGATGTTCTGC-CTGGCCTAGGCACTATTGTGGAGCTATTG 262
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Search completed: March 10, 2006, 21:55:59
Job time : 316.887 secs

```

	Best Local Similarity	51.0%; Pred. No. 8e-25;	Matches 367; Conservative 0; Mismatches 347; Indels 6; Gaps 2;
QY	1031	GGAGGAAGGAGATCGATAAAGCAGATGTATTATGGGCATTTCTTATCCAGCTATGGTG	1090
Db	13	GGTGGTCACAATTCGAAATTGAAATATGTTTTTGACACAGTTTTTAGTACCAGGGAATTTG	72
QY	1091	TGTGGCACTGCCCTCTTCATCAAATTCATAGCCATTTATTACCATGCTTCAGAGCAAT	1150
Db	73	TCCTGTGTTTCGTGTGTGTAATTTCTTTTAAATTCAGTACAAATCTTCTGGTGTATT	132
QY	1151	CCTTTTGGAAACAATGGTGGCGGTTGTTCATCTGTTTTTTTTTGTGTAATCTCTCTCAAAT	1210
Db	133	CATATGGGGACAATGTTTGCATATGCTTAATTTTGGTTCATTAATATCGATTCATTAAAT	192
QY	1211	CTTGTGGTACAATPACTTGGCCGGAATCTGTCAAGTCCAGCCCACTTTCCTTGTGCTGC	1270
Db	193	GTTATTGGATCAATTTTAGCTAGTAATAGACCAATTATTATC--GGTACCAGTGAGAAT	249
QY	1271	AATGCTGTGCTCGTCTCTATACCGGAGAAAATGGTTATGGAGCTCGGGTATTGTT	1330
Db	250	AATCAAAATCCAAGACAAATTCCTACTCAACCACTGGTATTTAAAGTACTATCCCGGTAATG	309
QY	1331	TGCTGGGTGGAAATTTTACCCTTTTGGTTCAAATCTTTATGAAATGTATTTCACTTCCAGC	1390
Db	310	TTTTATTCCGGAAATTTCCCAATTTGGATCAATTCCTCTGGAATGTATTTATTATTCA	369
QY	1391	TCCTTCGGGCATATAAGATCTATATATGCTATGGCTTCATGAATGCTGGTGTGCTATC	1450
Db	370	TCAATTTGGTTTAAATAGAATTTTTTATATGTTTGGATTTTTTATTTTTCTGTTTCATATTA	429
QY	1451	CTGTGCATCTGACTGTCGTGTGACTATATGTGTGCACATATTTTCTACTAAATGCAGAA	1510
Db	430	ATGAATTTAACTAGTAGTTTAAATCAATTTTTAATGATTTATTATATCTTTATGCTTCAGAA	489
QY	1511	GATTACCGGTGGCAATGACAGATTTTCTCTCTGCTGCATCAACTGCAATCTATGTTTAC	1570
Db	490	AAATATAAATGGCAATGGAATCATTTATTGTTGGAGAGGTTGTGCAATTTATGTATTT	549
QY	1571	ATGTATTTCCCTTTTACTACTATTTTTTCAAAACAAGATGTATGGCTTATTTCAAACATCA	1630
Db	550	ATTCAATTCATTTTTTTTGGACTGGTGGTGA---AAAAATTTGGTGGATTTAGTTCATTAGTT	606
QY	1631	TTTTTACTTTTGGATATATGGCGGTATTTTAGCACAGCCTTGGGGATAATATGTGTGAGCGAAT	1690
Db	607	TTATACAGTGGTTATTCAGCTGTGAATTCATTATTAGTTCCTTTGTTGTGGATCAAT	666
QY	1691	GGTTACATGGGAACAAGATGCTTTGTCGGAAAAATCTATACTAATGTGAAAAATGACTAG	1750
Db	667	GGATTTATTAGTAGTATTAATTTTGTGAGATTAATTTATGGTCAAAATTAATAATTTGATAG	726

```

RESULT 15
US-09-313-294A-2292
; Sequence 2292, Application US/09313294A
; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath v.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR.
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313.294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 2292
; LENGTH: 262
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700552439H1

```


Result No.	Query			ID	Description
	Score	Match	Length		
1	1827	100.0	1827	8	US-10-755-466-3
2	1816.4	99.4	3508	3	US-09-814-353-21837
3	1816.4	99.4	4024	5	US-10-198-846-10005
4	1814	98.3	3072	8	US-10-755-466-1
5	1804.4	98.8	3370	3	US-09-374-046A-25
6	1804.4	98.8	3370	7	US-10-616-263-25
7	1763	96.5	3076	3	US-09-915-582-29
8	1763	96.5	3076	6	US-10-277-802-29
9	1763	96.5	3076	6	US-10-896-972-29
10	1725.4	94.4	3389	6	US-10-205-219-122
11	1725.4	94.4	3389	9	US-10-958-157-2297
12	1725.4	94.4	3389	9	US-10-287-436A-335
13	1024.6	56.1	6197	6	US-10-063-674-1697
14	726.4	39.8	1070	6	US-10-264-237-1414
15	646	35.4	1863	10	US-11-097-143-22277
16	629.6	34.5	1867	3	US-09-915-582-13
17	629.6	34.5	1867	6	US-10-277-802-13
18	629.6	34.5	1867	8	US-10-896-972-13
19	583.6	31.9	2461	8	US-10-425-115-140808
20	581	31.8	2355	8	US-10-739-930-4365
21	573.6	31.4	1899	7	US-10-437-963-39405
22	570.8	31.2	2406	7	US-10-437-963-14430
23	567.8	31.1	2698	8	US-10-425-115-140919

Db 241 TGAATTGGAAATTTAGTGTCTGGATATTAATTTAAAGATGATGTGATGCCAGCCACTTA 300
Qy 301 CTGTGAAATTCATTAGATAAAGAAAGAGAGATGCAATTTCTATATGCAATAAAAAATCA 360
Db 301 CTGTGAAATTCATTAGATAAAGAAAGAGAGATGCAATTTCTATATGCAATAAAAAATCA 360
Qy 361 TTACTGTTACAGATGTACATAGATGATTTACCAATATGCGGTATTTGTTGGTGGCTGA 420
Db 361 TTACTGTTACAGATGTACATAGATGATTTACCAATATGCGGTATTTGTTGGTGGCTGA 420
Qy 421 TGAATAATGGAGAAATTAATCTTTTGGACCTATATAAAAACTTCAAAATAGGTTTTAATGG 480
Db 421 TGAATAATGGAGAAATTAATCTTTTGGACCTATATAAAAACTTCAAAATAGGTTTTAATGG 480
Qy 481 AAATCGAATTTGATGTTAATCTAACTAGTGAAGAAAGTGAACCTGGTTTCCAAATAC 540
Db 481 AAATCGAATTTGATGTTAATCTAACTAGTGAAGAAAGTGAACCTGGTTTCCAAATAC 540
Qy 541 TAAATCCAGATGTACATATTCAGTAAATGAAAGTGCAGATGTGAAATTTGAAGATCG 600
Db 541 TAAATCCAGATGTACATATTCAGTAAATGAAAGTGCAGATGTGAAATTTGAAGATCG 600
Qy 601 ATTTGACAAATATCTTGATCGTCTTTTCAACATCGGATTCATTTGGTTTTCAATTTT 660
Db 601 ATTTGACAAATATCTTGATCGTCTTTTCAACATCGGATTCATTTGGTTTTCAATTTT 660
Qy 661 CAATCTCTCATGATGTTGATCTTCTGTTGGCTTATAGTTTCAATGATTTAATGAGAAC 720
Db 661 CAATCTCTCATGATGTTGATCTTCTGTTGGCTTATAGTTTCAATGATTTAATGAGAAC 720
Qy 721 ATTAAGAAAGATTTATGCTCGTACAGTAAAGAGAAAGATGATGATGATGATGATGATG 780
Db 721 ATTAAGAAAGATTTATGCTCGTACAGTAAAGAGAAAGATGATGATGATGATGATGATG 780
Qy 781 CCTAGGAGATGAATATGATGAAAGTGAAGTGCATGAGATGATTTAGACCATCAAGTCA 840
Db 781 CCTAGGAGATGAATATGATGAAAGTGAAGTGCATGAGATGATTTAGACCATCAAGTCA 840
Qy 841 CCCACTGATATTTCTCTCTGATGTTCTGATGTTCTGATGTTCTGATGTTCTGATGTT 900
Db 841 CCCACTGATATTTCTCTCTGATGTTCTGATGTTCTGATGTTCTGATGTTCTGATGTT 900
Qy 901 CGTTATTATTTGTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 960
Db 901 CGTTATTATTTGTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 960
Qy 961 AGCCATATTTGTTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTA 1020
Db 961 AGCCATATTTGTTCTATGCTGCTACGTCTCCAGTGAATGGTTATTTTGGAGGAAGTCTGTA 1020
Qy 1021 TGCTAGCAAGGAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1080
Db 1021 TGCTAGCAAGGAGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1080
Qy 1081 AGCTATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 1140
Db 1081 AGCTATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 1140
Qy 1141 AAGAGCCATCTCTTTTGGAAACAATGGTGGCTTTGTTGATGATGATGATGATGATGATG 1200
Db 1141 AAGAGCCATCTCTTTTGGAAACAATGGTGGCTTTGTTGATGATGATGATGATGATGATG 1200
Qy 1201 TCCTCTAAATCTTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1260
Db 1201 TCCTCTAAATCTTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1260
Qy 1261 TTGTCGTGTTCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
Db 1261 TTGTCGTGTTCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
Qy 1321 GGTATTATTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 1380
Db 1321 GGTATTATTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 1380

Qy 1381 CATCTTCACTCTTTCTGGGCATATAGATCTATATATATGCTATGGCTTCATGATGCTGGT 1440
Db 1381 CATCTTCACTCTTTCTGGGCATATAGATCTATATATATGCTATGGCTTCATGATGCTGGT 1440
Qy 1441 GCTGGTTATCTCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500
Db 1441 GCTGGTTATCTCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500
Qy 1501 AAATGCAAGATTTACCGGTGGCAATGGCAAGTCTTCTCTGCTGCTGCTGCTGCTGCTGCT 1560
Db 1501 AAATGCAAGATTTACCGGTGGCAATGGCAAGTCTTCTCTGCTGCTGCTGCTGCTGCTGCT 1560
Qy 1561 CTATGTTACATGATTTCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1620
Db 1561 CTATGTTACATGATTTCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1620
Qy 1621 TCAAAATCATGATTTCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1680
Db 1621 TCAAAATCATGATTTCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1680
Qy 1681 TGGAGGATTTGTTATCATGGAACCAAGTGGCTTTGTCGGAATAATCTATATGATGAA 1740
Db 1681 TGGAGGATTTGTTATCATGGAACCAAGTGGCTTTGTCGGAATAATCTATATGATGAA 1740
Qy 1741 AATTGACTAGACCCCAAGAACCTTGGACTTGGATCAATTTCTTTTCTATAGGGGTG 1800
Db 1741 AATTGACTAGACCCCAAGAACCTTGGACTTGGATCAATTTCTTTTCTATAGGGGTG 1800
Qy 1801 GAATTTGCAAGCAAAACCAAAAC 1827
Db 1801 GAATTTGCAAGCAAAACCAAAAC 1827

RESULT 2

US-09-814-353-21837
; Sequence 21837, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21837
; LENGTH: 3508
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1, 2, 3506, 3507, 3508
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21837

Query Match

99.4%; Score 1816.4; DB 3; Length 3508;

541	AGTAAATATGAAATAGGTGAGATGTGAATTTGAGATGATTTGCAATATCTGATTC	600
622	GTCCCTTTTTCAACATCGGATTCATTTGGTTTTCAATTTTTCAACTCCTTCATGATGGTAT	681
601	GTCCCTTTTTCAACATCGGATTCATTTGGTTTTCAATTTTTCAACTCCTTCATGATGGTAT	660
682	CTTCTTGGTGGCTTAGTTTCAATGTTTTTAATGAGACATTTAGAAAGATTAATGCTCG	741
661	CTTCTTGGTGGCTTAGTTTCAATGTTTTTAATGAGACATTTAGAAAGATTAATGCTCG	720
742	GTACAGTAAGAGAGAAATCGATCATATGATAGAGACCTTAGGAGATGAATATGGATG	801
721	GTACAGTAAGAGAGAGAAATCGATCATATGATAGAGACCTTAGGAGATGAATATGGATG	780
802	GAACACAGGTGCGATGGAGATGATTTAGACCATCAAGTCACCCACTGATATTTTCTCTCT	861
781	GAACACAGGTGCGATGGAGATGATTTAGACCATCAAGTCACCCACTGATATTTTCTCTCT	840
862	GATTTGGTCTCGAGTGCAGATATTTGCTGTGTCCTCATCGTATATTTGTTGCAATGAT	921
841	GATTTGGTCTCGAGTGCAGATATTTGCTGTGTCCTCATCGTATATTTGTTGCAATGAT	900
922	AGAAGATTTATATPACTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCATGCTGC	981
901	AGAAGATTTATATPACTAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCATGCTGC	960
982	TACGTCTCCAGTGAATGGTTATTTTGGAGGAGTCTGTATCTCTAGACAGAGAGAAAGG	1041
961	TACGTCTCCAGTGAATGGTTATTTTGGAGGAGTCTGTATCTCTAGACAGAGAGAAAGG	1020
1042	ATGATAAAGACAGATGTTTTATTGGGGCATTCCTTATCCAGCTATGGTGTGGCACTGC	1101
1021	ATGATAAAGACAGATGTTTTATTGGGGCATTCCTTATCCAGCTATGGTGTGGCACTGC	1080
1102	CTTCTTCATCAATTCATAGCCATTTATTAACAATGCTTCAAGAGCCATTCCTTTTGAAC	1161
1081	CTTCTTCATCAATTCATAGCCATTTATTAACAATGCTTCAAGAGCCATTCCTTTTGAAC	1140
1162	AATGGTGGCGGTTTGTGTGCATCTGTTTTTTTGTATTCTTCTCTAAATCTTGTGTGTAC	1221
1141	AATGGTGGCGGTTTGTGTGCATCTGTTTTTTTGTATTCTTCTCTAAATCTTGTGTGTAC	1200
1222	AATACTTGGCCGAAATCTGTCAAGTGCAGCCCAACTTTCTTGTGCTGTCAATGCTGTGCC	1281
1201	AATACTTGGCCGAAATCTGTCAAGTGCAGCCCAACTTTCTTGTGCTGTCAATGCTGTGCC	1260
1282	TGCTCTATACCGGAGAAAAATGGTTCAATGAGCGCTCGGGTTATTTGTTGCCCTGGGTGG	1341
1261	TGCTCTATACCGGAGAAAAATGGTTCAATGAGCGCTCGGGTTATTTGTTGCCCTGGGTGG	1320
1342	AATTTTACCTTTTGGTTTCAATCTTTATTGAAATGATTTTCACTTCAGTCTTTTCTGGCC	1401
1321	AATTTTACCTTTTGGTTTCAATCTTTATTGAAATGATTTTCACTTCAGTCTTTTCTGGCC	1380
1402	ATATAAGATCTATTATGCTATGGCTTCAATGATCGTGTGCTGGTTATCTGTGCAATTGT	1461
1381	ATATAAGATCTATTATGCTATGGCTTCAATGATCGTGTGCTGGTTATCTGTGCAATTGT	1440
1462	GACTGTCTGTGTGACATATTTGTGTGCACATATTTTCTACTAAATGCAGAGATTAACCGTG	1521
1441	GACTGTCTGTGTGACATATTTGTGTGCACATATTTTCTACTAAATGCAGAGATTAACCGTG	1500
1522	GCAATGACAAAGTTTTCTCTCTGTGCAATCACTGCAATCTATGTTTACATGATTTCTCT	1581
1501	GCAATGACAAAGTTTTCTCTCTGTGCAATCACTGCAATCTATGTTTACATGATTTCTCT	1560
1582	TTACTACTATTTTTTCAAACAAAGATGTATGGCTTATTTCAAACATCATTTACTTTGG	1641
1561	TTACTACTATTTTTTCAAACAAAGATGTATGGCTTATTTCAAACATCATTTACTTTGG	1620
1642	ATATATGGCGGTTATTTAGACACGCTTGGGATTAATGTGTGAGCGGATTTGTTACATGGG	1701

QY 1295 GAGAAAAAATGTTTCATGAGAGCTCGGTTATGTTTGGCTGGTGGAAATTTTACCTTTT 1354
DB 1273 GAGAAAAAATGTTTCATGAGAGCTCGGTTATGTTTGGCTGGTGGAAATTTTACCTTTT 1332
QY 1355 GGTTCATCTTTATGAAATGATTTTCATCTTCACGTCTTTCTGGGCAATATAAGATCTAT 1414
DB 1333 GGTTCATCTTTATGAAATGATTTTCATCTTCACGTCTTTCTGGGCAATATAAGATCTAT 1392
QY 1415 TATGTCATGCTTCATGATGCTGGTGGTGGTATTCCTGTGCAATTTGACCTGCTGTGTG 1474
DB 1393 TATGTCATGCTTCATGATGCTGGTGGTGGTATTCCTGTGCAATTTGACCTGCTGTGTG 1452
QY 1475 ACTATTGCTGACATATTTCTTACTATAATGAGAGATTTACCGTGGCAATGGCAAGT 1534
DB 1453 ACTATTGCTGACATATTTCTTACTATAATGAGAGATTTACCGTGGCAATGGCAAGT 1512
QY 1535 TTTCTCTGCTGCAATCAACTGCAATCTATGTTTACATGATTTCTTTTACTACTATTTT 1594
DB 1513 TTTCTCTGCTGCAATCAACTGCAATCTATGTTTACATGATTTCTTTTACTACTATTTT 1572
QY 1595 TTCAAAAACAAAGATGATGGCTTTATTTCAAAACATCATTTTACTTTGGATATATGCGGTA 1654
DB 1573 TTCAAAAACAAAGATGATGGCTTTATTTCAAAACATCATTTTACTTTGGATATATGCGGTA 1632
QY 1655 TTTCAGACAGCTTGGGGAATATGTTGGAGCGATTTGGTTACATGGGAACAAGTGCCCTTT 1714
DB 1633 TTTCAGACAGCTTGGGGAATATGTTGGAGCGATTTGGTTACATGGGAACAAGTGCCCTTT 1692
QY 1715 GTCCGAAAAATCTATCTAATCTGAAAAATTTGACTAGAGACCCAGAAAAACCTTGGAACTTT 1774
DB 1693 GTCCGAAAAATCTATCTAATCTGAAAAATTTGACTAGAGACCCAGAAAAACCTTGGAACTTT 1752
QY 1775 GGATCAATTTCTTTTTCATAGGGGTGGAACTTTGCACAGCAAAAAACAAAC 1827
DB 1753 GGATCAATTTCTTTTTCATAGGGGTGGAACTTTGCACAGCAAAAAACAAAC 1805

RESULT 8

US-10-277-802-29
; Sequence 29, Application US/10277802
; Publication No. US2003019070A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 17 Human Secreted Proteins
; FILE REFERENCE: PS723P1
; CURRENT APPLICATION NUMBER: US/10/277,802
; CURRENT FILING DATE: 2002-10-23
; PRIOR APPLICATION NUMBER: 09/915,582
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: PCT/US01/01431
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/231,968
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.0.
; SEQ ID NO 29
; LENGTH: 3076
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3064)
; OTHER INFORMATION: n equals a,t,g, or c

US-10-277-802-29

Query Match 96.5%; Score 1763; DB 6; Length 3076;
Best Local Similarity 98.8%; Pred. No. 0;
Matches 1772; Conservative 3; Mismatches 18; Indels 0; Gaps 0;

QY 35 CTGCTGCTGCTGCTGCCCGGACCCGGCGGACGAGCACGACACACGATATCAAGATAAA 94
DB 13 CTGCGAGTACCGGGTCCGGAATTTCCCGGGTCGAGSCACGCGMMCGCAGTATCAAGATAAA 72
QY 95 GAGGAAGTTGTCTTATGATGAATACCTGTTGGGCGCTTACCAATAATCGTCAAGAAACATAT 154
DB 73 GAGGAAGTTGTCTTATGATGAATACCTGTTGGGCGCTTACCAATAATCGTCAAGAAACATAT 132
QY 155 AAGTACTTTTCACTTCTGCTGCTGGGTCACAAAAAAGTATCAGTCAATTTACCATGAA 214
DB 133 AAGTACTTTTCACTTCTGCTGCTGGGTCACAAAAAAGTATCAGTCAATTTACCATGAA 192
QY 215 ACTCTGGGAGAGACACTTCAAGGGTTGAAATTTGAAATTTAGTGGTCTGGATATTTAAATTT 274
DB 193 ACTCTGGGAGAGACACTTCAAGGGTTGAAATTTGAAATTTAGTGGTCTGGATATTTAAATTT 252
QY 275 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTTGATTTAGATAAAGAAAGAGAGAT 334
DB 253 AAAGATGATGTGATGCCAGCCACTTACTGTGAAATTTGATTTAGATAAAGAAAGAGAGAT 312
QY 335 GCATTTGTATATGCAATAAAAAATCATTTACTGTGATACAGATGTACATAGATGATTTACCA 394
DB 313 GCATTTGTATATGCAATAAAAAATCATTTACTGTGATACAGATGTACATAGATGATTTACCA 372
QY 395 ATATGGGGTATTTGTTGGTGGGCTGATGAAAAATCGGAGAGATTTACTTCTTTGGACCTAT 454
DB 373 ATATGGGGTATTTGTTGGTGGGCTGATGAAAAATCGGAGAGATTTACTTCTTTGGACCTAT 432
QY 455 AAAAAAATTTGAAATGAGTTTAAATGGAATTCGAATTTGATGTTAAATCTAACTAGTGAA 514
DB 433 AAAAAAATTTGAAATGAGTTTAAATGGAATTCGAATTTGATGTTAAATCTAACTAGTGAA 492
QY 515 GGAAAGGTGAAATCTGGTTCCAAATATCTAAATCCAGATGTCAATTTCTAGTAAATGGAAT 574
DB 493 GGAAAGGTGAAATCTGGTTCCAAATATCTAAATCCAGATGTCAATTTCTAGTAAATGGAAT 552
QY 575 AAGTCAGATGTTGAAATTTGAGATCGAATTTGACAAATATCTTGATCCGTCCTTTTTCGA 634
DB 553 AAGTCAGATGTTGAAATTTGAGATCGAATTTGACAAATATCTTGATCCGTCCTTTTTCGA 612
QY 635 CATCGGATTCATTTGGTTTCAATTTTCAACTCTTTCATGATGGTGTATCTTCTGGTGGGC 694
DB 613 CATCGGATTCATTTGGTTTCAATTTTCAACTCTTTCATGATGGTGTATCTTCTGGTGGGC 672
QY 695 TTAGTTCAATGATTTTAAATGAGAAACATTTAAGAAAGATTTATGCTCGGTACAGTAAAGAG 754
DB 673 TTAGTTCAATGATTTTAAATGAGAAACATTTAAGAAAGATTTATGCTCGGTACAGTAAAGAG 732
QY 755 GAAGAAATGATGATGATGATGAGAGCTTAGGAGATGAATATGATGATGAAAAACAGTGCAT 814
DB 733 GAAGAAATGATGATGATGATGAGAGCTTAGGAGATGAATATGATGATGAAAAACAGTGCAT 792
QY 815 GGAGATGATTTTAGACCATCAAGTCACCCACTGATATTTTCTCTGATTTGGTTCGGA 874
DB 793 GGAGATGATTTTAGACCATCAAGTCACCCACTGATATTTTCTCTGATTTGGTTCGGA 852
QY 875 TGTCAAGATATTTGCTGTCTCTCATCGTTATTTATTTGTCGAATGATGAGATTTATAT 934
DB 853 TGTCAAGATATTTGCTGTCTCTCATCGTTATTTATTTGTCGAATGATGAGATTTATAT 912
QY 935 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCATGCTGCTACCTCTCCAGTG 994
DB 913 ACTGAGAGGGGATCAATGCTCAGTACAGCCATATTTGTCATGCTGCTACCTCTCCAGTG 972
QY 995 AATGGTTATTTTGGAGGAAGTCTCTATGCTAGACAGGAGAGAGATGGAATAAGCAG 1054
DB 973 AATGGTTATTTTGGAGGAAGTCTCTATGCTAGACAGGAGAGAGATGGAATAAGCAG 1032
QY 1055 ATGTTTATTTGGGGCAATTCCTTATCCAGCTATGTTGTTGGCAGCTGCTTCTTCATCAAT 1114
DB 1033 ATGTTTATTTGGGGCAATTCCTTATCCAGCTATGTTGTTGGCAGCTGCTTCTTCATCAAT 1092

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 10, 2006, 22:05:49 ; Search time 585.727 Seconds
(without alignments)
7196.920 Million cell updates/sec

Title: US-10-755-466-3

Perfect score: 1827

Sequence: 1 agcttcaccatggggccg.....cacagcaaaacaacaac 1827

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 7673375 seqs, 1153648444 residues

Total number of hits satisfying chosen parameters: 15346750

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA New:

- 1: /cgn2_6/ptodata/2/pubpna/US08 NEW PUB seq.*
- 2: /cgn2_6/ptodata/2/pubpna/US06 NEW PUB seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US07 NEW PUB seq.*
- 4: /cgn2_6/ptodata/2/pubpna/PCT NEW PUB seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US09 NEW PUB seq.*
- 6: /cgn2_6/ptodata/2/pubpna/US09 NEW PUB seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US10 NEW PUB seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US10 NEW PUB seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US11 NEW PUB seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US11 NEW PUB seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US11 NEW PUB seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US11 NEW PUB seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US60 NEW PUB seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	482.8	26.4	570	12	US-11-128-061-1325 Sequence 1325, Ap
2	482.8	26.4	570	12	US-11-128-061-1325 Sequence 4967, Ap
3	482.8	26.4	570	12	US-11-128-049-1325 Sequence 1325, Ap
4	482.8	26.4	570	12	US-11-128-049-1325 Sequence 4967, Ap
5	227.6	12.5	2391	12	US-11-000-688-1309 Sequence 1309, Ap
6	226	12.4	1878	9	US-11-072-512-1699 Sequence 1699, Ap
7	190.4	10.4	1094	9	US-11-240-769-50 Sequence 50, Appl
8	172	9.4	1821	9	US-11-240-769-49 Sequence 49, Appl
9	169.4	9.3	1816	9	US-11-240-769-21 Sequence 21, Appl
10	138	7.6	1251	6	US-09-925-065A-724812 Sequence 724812, Ap
11	124.4	6.8	2019	7	US-10-932-182A-478 Sequence 478, App
12	124.4	6.8	2019	7	US-10-932-182A-478 Sequence 478, App
13	120	6.6	2025	7	US-10-932-182A-4690 Sequence 4690, Ap
14	120	6.6	2025	7	US-10-932-182A-4690 Sequence 4690, Ap
15	101.6	5.6	424	12	US-11-000-688-1308 Sequence 1308, Ap
16	98.8	5.4	636	7	US-10-932-182A-173799 Sequence 173799, Ap
17	98.8	5.4	636	7	US-10-932-182A-173799 Sequence 173799, Ap
18	69.8	3.8	465	7	US-10-932-182A-173463 Sequence 173463, Ap
19	69.8	3.8	465	7	US-10-932-182A-173463 Sequence 173463, Ap
20	60.4	3.3	1083	7	US-10-932-182A-173986 Sequence 173986, Ap

21	60.4	3.3	1083	7	US-10-932-182A-173986	Sequence 173986, Ap
22	59.6	3.3	427	8	US-10-821-234-288	Sequence 288, App
23	52.6	2.9	384	7	US-10-932-182A-81876	Sequence 81876, A
24	52.6	2.9	384	7	US-10-932-182A-81876	Sequence 81876, A
25	44.6	2.4	579	8	US-10-750-185-1291	Sequence 1291, Ap
26	44.6	2.4	579	8	US-10-750-185-1291	Sequence 1291, Ap
27	43.6	2.4	503	6	US-09-925-065A-778077	Sequence 778077, Ap
28	43.2	2.4	498	6	US-09-925-065A-784906	Sequence 784906, Ap
29	43.2	2.4	539	6	US-09-925-065A-307793	Sequence 307793, Ap
30	43.2	2.4	656	6	US-09-925-065A-101618	Sequence 101618, Ap
31	43.2	2.4	656	6	US-09-925-065A-150213	Sequence 150213, Ap
32	43.2	2.4	656	6	US-09-925-065A-150214	Sequence 150214, Ap
33	42.4	2.3	1132	6	US-10-750-185-29813	Sequence 29813, A
34	42.4	2.3	1596	8	US-10-750-185-29813	Sequence 29813, A
35	42.2	2.3	1596	8	US-10-750-185-29813	Sequence 29813, A
36	42.2	2.3	2663	6	US-09-925-065A-89233	Sequence 89233, A
37	42	2.3	1431	8	US-10-750-185-33765	Sequence 33765, A
38	42	2.3	1431	8	US-10-750-185-33765	Sequence 33765, A
39	41.6	2.3	1512	12	US-11-139-195-3	Sequence 3, Appli
40	41.6	2.3	1971	12	US-11-139-195-1	Sequence 1, Appli
41	41.6	2.3	2069	9	US-11-072-512-1738	Sequence 1738, Ap
42	41.6	2.3	188056	12	US-11-120-925-1	Sequence 1, Appli
43	41.4	2.3	618	6	US-09-925-065A-916563	Sequence 916563, Ap
44	41.2	2.3	1695	12	US-11-074-176-97	Sequence 97, Appl
45	40.8	2.2	605	6	US-09-925-065A-941067	Sequence 941067, Ap

ALIGNMENTS

RESULT 1

US-11-128-061-1325

; Sequence 1325, Application US/11128061

; Publication No. US20060003958A1

; GENERAL INFORMATION:

; APPLICANT: Melville, Mark W.

; APPLICANT: Charlebois, Timothy S.

; APPLICANT: Mounts, William M.

; APPLICANT: Hann, Louane E.

; APPLICANT: Sinacore, Martin S.

; APPLICANT: Leonard, Mark W.

; APPLICANT: Brown, Eugene L.

; APPLICANT: Miller, Christopher P.

; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS

; FILE OF INVENTION: TO MONITOR GENE EXPRESSION

; CURRENT APPLICATION NUMBER: US/11/128,061

; CURRENT FILING DATE: 2005-05-11

; PRIOR APPLICATION NUMBER: US 60/570,425

; PRIOR FILING DATE: 2004-05-11

; NUMBER OF SEQ ID NOS: 7285

; SOFTWARE: Patent in version 3.3

; SEQ ID NO 1325

; LENGTH: 570

; TYPE: DNA

; ORGANISM: Cricetus griseus

; US-11-128-061-1325

Query Match

Best Local Similarity 26.4%; Score 482.8; DB 12; Length 570;

Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

QY 863 ATTGGTTCGATGTCAGATATTTGCTGTCTCTCATCGTTATTTTCTTCTGCTGCT 922

1 ATTGGTTCGATGTCAGATATTTGCTGTCTCTCATCGTTATTTTCTTCTGCTGCTGATA 60

QY 923 GAAGATTTTATATCTAGAGGGGCAATGCTCAGTACAGCCATTTTCTTCTGCTGCT 982

61 GAGGATTTTATATCTAGAGGGGCAATGCTCAGTACAGCCATTTTCTTCTGCTGCTGCT 120

QY 983 AGCTCTCCAGTGAATGGTATTATTTGGAGGAAGTCTGTATGCTAGCAAGGAGGAGGA 1042

121 ACATCTCCAGTGAATGGTATTATTTGGAGGAAGTCTGTATGCTAGCAAGGAGGAGGA 180

QY 1043 TGGATAAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCTATGGTGTGGCACTGCC 1102
DB 181 TGGATAAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCTATGGTGTGGCACTGCC 240
QY 1103 TTCTTCATCAATTTTCATAGCCATTTATACCATGCTTCAAGAGCCATTCCTTTTGGAA 1162
DB 241 TTCTTCATCAATTTATAGCCATTTATACCATGCTTCAAGAGCCATTCCTTTTGGAA 300
QY 1163 ATGGTGGCGGTTTGTGTCATCTGTTTTTTTGTATTTCTTCTTAAATCTTGTGGTACA 1222
DB 301 ATGGTGGCGGTTTGTGTCATCTGTTTTTTTGTATTTCTTCTTAAATCTTGTGGTACA 360
QY 1223 ATACTTGGCCGAATCTGTAGGTCAGCCCAACTTCTTGTGCTGCAATGCTGTGCT 1282
DB 361 ATACTTGGCCGAATCTGTAGGTCAGCCCAACTTCTTGTGCTGCAATGCTGTGCT 420
QY 1283 CGTCTATACCGGAGAAAATGTTTCATGGAGCTCGGGTTATTTGCTGGGTGGA 1342
DB 421 GGTCTATCCAGACAAAATATGGTTATGGATCTCGCATTTATCGTGGCTGTAGCA 480
QY 1343 ATTTTACCTTTTGGTTCATCTTTTATGAAATGTTATTCATCTTCACGCTCTTCTGGGCA 1402
DB 481 ATTTTACCATTTGGCTCCATCTTCATTGAAATGACTTCATGTAACATCTTCTGGGCA 540
QY 1403 TATAAGATCTA-TTATGCTATGGCTTCAT 1431
DB 541 TACAAGACCCACTTATGCTATGGCTTTAT 570

RESULT 2

US-11-128-061-4967
; Sequence 4967, Application US/11128061
; Publication No. US2006003958A1

GENERAL INFORMATION:

; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.

; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.

; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.

; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.

; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; FILE REFERENCE: 01997.027701

; CURRENT APPLICATION NUMBER: US/11/128,061
; PRIOR FILING DATE: 2005-05-11

; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11

; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 4967
; LENGTH: 570

; TYPE: DNA
; ORGANISM: Cricetulus griseus

US-11-128-061-4967

Query Match 26.4%; Score 482.8; DB 12; Length 570;
Best Local Similarity 91.6%; Pred. No. 4.8e-102;
Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

QY 863 ATTGGTTCGGATGTCAGATATTTGCTGTCTCTCATCGTTATTTATTTGGCAATGATA 922
DB 1 ATTGGTTCGGATGTCAGATATTTGCTGTCTCTCATTTATTTATTTGGCAATGATA 60

QY 923 GAAGATTTATATCTAGAGGGGATCAATGCTCAGTACAGCCATTTGCTATGCTGCT 982
DB 61 GAGGATTTATATACAGAGGGGATCAATGCTCAGTACCGCCATTTGCTATGCTGCT 120

QY 983 ACGTCTCCAGTCAATGTTTATTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAGAGA 1042
DB 121 ACATCTCCAGTCAATGTTTATTTGGAGGAAGTCTGTATGCCAGACAGGAGGAGAGA 180

QY 1043 TGGATAAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCTATGGTGTGGCACTGCC 1102
DB 181 TGGATAAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGCTATGGTGTGGCACTGCC 240
QY 1103 TTCTTCATCAATTTTCATAGCCATTTATACCATGCTTCAAGAGCCATTCCTTTTGGAA 1162
DB 241 TTCTTCATCAATTTATAGCCATTTATACCATGCTTCAAGAGCCATTCCTTTTGGAA 300
QY 1163 ATGGTGGCGGTTTGTGTCATCTGTTTTTTTGTATTTCTTCTTAAATCTTGTGGTACA 1222
DB 301 ATGGTGGCGGTTTGTGTCATCTGTTTTTTTGTATTTCTTCTTAAATCTTGTGGTACA 360
QY 1223 ATACTTGGCCGAATCTGTAGGTCAGCCCAACTTCTTGTGCTGCAATGCTGTGCT 1282
DB 361 ATACTTGGCCGAATCTGTAGGTCAGCCCAACTTCTTGTGCTGCAATGCTGTGCT 420
QY 1283 CGTCTATACCGGAGAAAATGTTTCATGGAGCTCGGGTTATTTGCTGGGTGGA 1342
DB 421 GGTCTATCCAGACAAAATATGGTTATGGATCTCGCATTTATCGTGGCTGTAGCA 480
QY 1343 ATTTTACCTTTTGGTTCATCTTTTATGAAATGTTATTCATCTTCACGCTCTTCTGGGCA 1402
DB 481 ATTTTACCATTTGGCTCCATCTTCATTGAAATGACTTCATGTAACATCTTCTGGGCA 540
QY 1403 TATAAGATCTA-TTATGCTATGGCTTCAT 1431
DB 541 TACAAGACCCACTTATGCTATGGCTTTAT 570

RESULT 3

US-11-128-049-1325
; Sequence 1325, Application US/11128049
; Publication No. US20060010513A1

GENERAL INFORMATION:

; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.

; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.

; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.

; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.

; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; FILE REFERENCE: 01997.027700

; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11

; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11

; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 1325
; LENGTH: 570

; TYPE: DNA
; ORGANISM: Cricetulus griseus

US-11-128-049-1325

Query Match 26.4%; Score 482.8; DB 12; Length 570;
Best Local Similarity 91.6%; Pred. No. 4.8e-102;
Matches 522; Conservative 0; Mismatches 47; Indels 1; Gaps 1;

QY 863 ATTGGTTCGGATGTCAGATATTTGCTGTCTCTCATCGTTATTTATTTGGCAATGATA 922
DB 1 ATTGGTTCGGATGTCAGATATTTGCTGTCTCTCATTTATTTATTTGGCAATGATA 60

QY 923 GAAGATTTATATCTAGAGGGGATCAATGCTCAGTACAGCCATTTGCTATGCTGCT 982
DB 61 GAGGATTTATATACAGAGGGGATCAATGCTCAGTACCGCCATTTGCTATGCTGCT 120

QY 983 ACGTCTCCAGTCAATGTTTATTTGGAGGAAGTCTGTATGCTAGACAAGGAGGAGAGA 1042
DB 121 ACATCTCCAGTCAATGTTTATTTGGAGGAAGTCTGTATGCCAGACAGGAGGAGAGA 180

Qy	1043	TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCAGCTATGGTGTGGCACTGCC	1102
Db	181	TGGATAAAGCAGATGTTTATTGGGGCATTCCTTATCCAGCTATGGTGTGGCACTGCC	240
Qy	1103	TTCTTCATCAATTCATAGCCATTTATTACCATCGTTCAGAGCCATTCTTTTGGGAACA	1162
Db	241	TTCTTCATCAATTTATAGCCATTTATTATCATGCCCTAGAGCCATTCCTTTTGGGAACA	300
Qy	1163	ATGCTGCCGGTTGTTCGATCTGTTTTTTTGGTTATTCTTCCTCTAAATCTTGTGGTACA	1222
Db	301	ATGCTGCCGGTTGTTCGATCTGTTTTTTTGGTTATTCTTCCTCTAAATCTTGTGGTACA	360
Qy	1223	ATACTTGGCCGAATCTGTGAGTCAAGCCCAACTTTCTGTGTGTGTCATATGCTGTGCCT	1282
Db	361	ATACTTGGCCGAATCTGTGAGTCAAGCCCAACTTCCCTCTGTGTGTGTCATATGCTGTGCCT	420
Qy	1283	CGTCTATACGGAGAAAAATGTTTCATGGAGCTCGGGTTATGTGTTCCTGGGTGGA	1342
Db	421	GGTCTATCCAGACAAATAATGTTTTATGGATCCTGCATTTATCGTTCGCTGCTAGCA	480
Qy	1343	ATTTTACCTTTTGGTTCAAATCTTTATTTGAAATGTATTTTCATCTTTCACGTCCTTTCTGGGCA	1402
Db	481	ATTTTACCAATTTGGCTCCATCTCAATGAAAAATGACTTCATCGTAAACATCTTCTCTGGGCA	540
Qy	1403	TATAAGATCTA-TTATGTCTATGGCTTCAT	1431
Db	541	TACAAGACCCACTTATGTCTATGGCTTTAT	570

RESULT 4

```

US-11-128-049-4967
; Sequence 4967, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; PRIOR FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4967
; LENGTH: 570
; TYPE: DNA
; ORGANISM: Cricetus griseus
US-11-128-049-4967

```

Qy	1043	TGATAAAGCAGATGTTTATTTGGGGCATTCCTTATCCAGACTATGGTGTGCGACTGCC	1102
Db	181	TGGATAAAGCAGATGTTTATTTGGGGCATTCCTTATTTCCAGCTATGGTCTGTGCGACTGCC	240
Qy	1103	TTCTTCATCAATTTTCATAGCATTATTAACATGCTTCAAGAGCCATTCCCTTTTGGAAACA	1162
Db	241	TTCTTCATCAACTTTTATAGCCATTATTAATCATGCTCTAGAGCCATTCCCTTTTGGAAACA	300
Qy	1163	ATGGTGGCCGTTTGTGTGCATCTGTTTTTTTGTATTATTCCTCTAAATCTTGTGTGPACA	1222
Db	301	ATGGTGGCCGTTTGTGTGCATCTGTTTTTTTGTATTATTCCTCTCTAAATCTTGTGTGPACA	360
Qy	1223	ATACTTTGGCGGAAATCTGTCAAGTCAAGCCCACTTTCCTTGTGTGTCATGCTGCTGCCCT	1282
Db	361	ATACTTTGGCGGAAATCTGTCAAGTCAAGCCCACTTCCCTCTGTGTGTCATGCTGCTGCCCT	420
Qy	1283	CGTCTATACCGGAGAAAAAATGGTTTCATGGAGCCTGCGGTATTATGTTTCGCTGGGTGGA	1342
Db	421	GGTCTATATCCAGACAATAATGTTTTTATGGATCTCTGCATTATCGTTGCGCTGTGACGA	480
Qy	1343	ATTTTACCTTTTGGTTCAATCTTTATTTGAAATGATTTTCAATCTTCAGTCTTTCTGGGCA	1402
Db	481	ATTTTACCACTTTGGCTCCATCTTCAATTGAAATGACTTCATCGTAAACATCTTCTTGGGCA	540
Qy	1403	TATAAGATCTA-TTATGTCTATGGCTTCAT	1431
Db	541	TACAGACCCACTTATGTCTATGGCTTTAT	570

RESULT 5

```

US-11-000-688-1309
; Sequence 1309, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOU LGATTE, Remi
; APPLICANT: BIRNEAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1309
; LENGTH: 2391
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences:primer
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(2391)
; OTHER INFORMATION: transmembrane 9 superfamily member 2 (TW9SF2)
; OTHER INFORMATION: gene.
US-11-000-688-1309

```


1086 TGGTGTGGCACTGCTTCTTCAATTTATAGCCATTTATACCATGCTTCAAGAG 1145
1161 TTGTATTGTGCTACTTTTATATAATGAATCTGATCTCTGGGAGAGGATCTTCAGCAG 1220
1146 CCATTCTCTTTGGAACAATGGTGGCCGTTTGTGGCACTCTGTTTGTATTCTTCTCCTC 1205
1221 CTATTCTCTTTGGGACACATGTTGGCATAATGGCCCTTTGGTTCTGCATATCTGGCTC 1280
1206 TAAATCTTGTGTGTAACAATCTTGGCCGAAATCTGTAGTCAGCCCAATTTCTCTGTGTC 1265
1281 TGACGTTTATTGTGTGCTACTTTTGGTTTAAAGAAGATGCCATTGAACAC---CCAGTTTC 1337
1266 GTGTCAATGCTGTGCTGCTCTATACCGGAGAAATAAGTTTCATGGAGCCCTGCGGTTA 1325
1338 GAACCAATCAGATTCCACGTCAGATTCTCTGAACAGTGTCTACAGAAAGCCCTTCGCTG 1397
1326 TTGTTTGGCTGGGTGGAAATTTTACCTTTTGGTTTCAATCTTTATTTGAAATGATTTTCATCT 1385
1398 GTATTATATGAGGAGGATTTTGGCCCTTTGGCTGTCATCTTTATACAACTTTTCTTCATTC 1457
1386 TCACGCTTTCTGGGCATATAAGATCTATTATGCTATAGCTTCATGCTGCTGGTCTGG 1445
1458 TGAATAGTATTGGTCAACACAGATGATTACATGTTTGGCTTCTTATTTCTGGTGTGTTA 1517
1446 TTATCTGTGCTATGTGACTGTGTGACTATTGTGTCATATTGTGTCATATTCTTACTAAATG 1505
1518 TCATTTGGTATTATCTGTTCTGAAAGCACTATCTTCTTGTCTATTTTCCACTATGTG 1577
1506 CAGAAGATTACCGGTGGCAATGACAAAGTTTCTCTGCTGTCATCAACTGCAATCTATG 1565
1578 CAGAGATTTATCATTTGGCAATGGGTTTCACTCTTAGAGTGGCTTTACTGCAATTTAT 1637
1566 TTTCATGTTATCTCTTTTACTACTATTTTTCAAAACAAAGATGTATGCTTATTTTCAAA 1625
1638 TCTTAATCTATGTCAGTACACTACTCTTTTCAAAACTGCAGACTCAGCGGAACAGACGG 1697
1626 CATCATTTTACTTTGATATATGGCGTATTATAGCACGCTTGGGATAAATGTGTGGAG 1685
1698 CAATCTGTACTTTGGTTATACCATGATATGTTTGTATGTTTCTTTTACAGGAA 1757
1686 CGATTGGTTACATGGGAACAAGTGGCTTTTGTCCGAAAAATCTATATGTCGAAAAATTTG 1745
1758 CAATTGGCTCTTTGTATGCTTTTGGTTTGTGTACCAAAATATACATGTTGGTGAAGTTG 1817
1746 ACTAGAGA 1753
1818 ACTGAAGA 1825

RESULT 7

US-11-240-769-50
; Sequence 50, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
; APPLICANT: Soppet et al.
; TITLE OF INVENTION: 33 Human Secreted Proteins
; FILE REFERENCE: P2037PIC2
; CURRENT APPLICATION NUMBER: US/11/240,769
; CURRENT FILING DATE: 2005-10-03
; PRIOR APPLICATION NUMBER: 09/997,131
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 09/628,508
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: PCT/US00/03062
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 60/119,468
; PRIOR FILING DATE: 1999-02-10
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 50
; TYPE: DNA
; ORGANISM: Homo sapiens

US-11-240-769-50

Query Match 10.4%; Score 190.4; DB 9; Length 1094;
Best Local Similarity 52.2%; Pred. No. 3.7e-34;
Matches 494; Conservative 0; Mismatches 446; Indels 6; Gaps 3;
QY 806 CAGGTGTCATGGAGATGTTATAGACATCAAGTCAACCCACTGATATTTTCTCTCTGATT 865
DB 9 CCGGTGACGGCGATCTTCAGGCCCCCCAGTACCCCATGATCTCAGCTCCCTGCTG 68
QY 866 GGTCTGTGATGTCAGATATTTGCTGTGCTCTCTCATCGTTATTATTGTTGCAATGATAGAA 925
DB 69 GGTCTGAGCATTCAGCTGTTCTGATGATCTCTCATCGTCATCTTTGTAGCCATGCTTGG 128
QY 926 GATTATATATGAGA---GGGATCAATGCTCAGTACAGCCATATTGTTCTATGCTGT 982
DB 129 ATGCTGTGCCCCCTCCAGCCGGGAGCTCTCATGACACACAGCCGTCTCTCTTCATGTTTC 188
QY 983 ACGTCTCCAGTGAATGTTTATTTGAGGAGAGTCTGTATGCTAGACAAGGAGGAAGAGA 1042
DB 189 ATGGGGGTGTTTGGCGGATTTTCTGTCGCCGCTGTACCGCACCTTTAAAGGCCATCGG 248
QY 1043 TGGATAAAGCAGATCTTTATTTGGGGCATTTCTTATCCAGCTATGTTGTGTGTCATGTC 1102
DB 249 TGGAGAAGAGAGCCCTTCTGTACGGCACTCTGTACCCCTGGTGTGTTTTTGGCATCTGC 308
QY 1103 TTCTTTCATCAATTTCAATAGCCATTTATACATGCTTCAAGAGCCATTTCTTTTGGAAACA 1162
DB 309 TTCTGATTGATTTGCTTCAATTTGGGGAAGCACTCATCAGAGCGGTGCTTCCACACC 368
QY 1163 ATGTTGGCGGTTTGTGTCATCTGTTTGTATTCTTCTTAAATCTCTTCTGTTGATACA 1222
DB 369 ATGTTGGGCTGCTGTGATGATG-TGTCGGGATCTCCCTGCCCCCTGCTACTTGGGCTA 427
QY 1223 ATACTTGGCGAAATCTGTCAAGTCAAGCCCAACTTTTCTTGTGTGTCATGTCGTGCT 1282
DB 428 CTACTTGGCTTCCGAAAGCAG--CCATATGACAACCCCTGTGCGCACCAACAGATTCCTC 485
QY 1283 CTTCTTATACCGGAGAAAAATGGTTTCAATGAGGCTCGGGTTATTGTTTGGCTTGGTGA 1342
DB 486 CGGCAGATCCCGGAGCAGCGGTGTACATGAACCGATTTGTGGGCATCTCTATGCGTGG 545
QY 1343 ATTTTACCTTTTGTGTCATCTTTATGAAATGTTTATCTTCACTGTCGTCCTTTCTGGGCA 1402
DB 546 ATCTTGGCCCTTGGCGCCATGTTTCATGAGCTCTTCTTCACTTTCAGTGTATCTGGGAG 605
QY 1403 TATAAGATCTATTATGCTATGCTTCAATGATGCTGTGCTGCTGTTATCTGTGCAATGTC 1462
DB 606 AATCAGTTCTATTACCTCTTTGGCTTCTGTTCTTCTTCTTCTCATCTCTGTTGTTATCC 665
QY 1463 ACTGTCGTGTCATATTGTTGTGTCACATATTTTCTACTAAATGACAGAGATTACCGTGG 1522
DB 666 TGTTCCAAATACAGCATGCTCATGTTGTACTTCCAGCTGTGTGSCAGAGGATTACCGCTGG 725
QY 1523 CAATGGACAAGTTTCTCTCTGTCATCACTGCAATCTATGTTTACATGTTATCTCTTT 1582
DB 726 TGGTGGAGAAATTTCTAGTCTCCGGGGCTCTGCAATCTCTAGTCTGTTTATGCTATC 785
QY 1583 TACTACTATTTTTCAAAACAAAGATGATGCTTATTTTCAACATCAATTTTACTTTGA 1642
DB 786 TTTTATTTCGTTAAACAGCTGGACATCGTGGAGTTTCACTCCCTCTCTCTTACTTTGGC 845
QY 1643 TATATGGCGGTATTATGACAGCCCTTGGGATTAATGTTGTGGAGCCATGTTGTTACATGGA 1702
DB 846 TACACGGCCCTCATGGTCTTGTCTTCTGCTGTCTTAAAGGGTACCATCGGCTTCTATGCA 905
QY 1703 ACAAGTGCCTTGTCCGAAATCTATATAATGTAATAATTTGACT 1748
DB 906 GCCTACATGTTTGTTCGCAAGATCTATGCTGCTGTGAAGATAGACT 951

RESULT 8

US-11-240-769-49

```
; Sequence 49, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
; TITLE OF INVENTION: 33 Human Secreted Proteins
; FILE REFERENCE: P2037P1C2
; CURRENT APPLICATION NUMBER: US/11/240,769
; CURRENT FILING DATE: 2005-10-03
; PRIOR APPLICATION NUMBER: 09/997,131
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 09/628,508
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: PCT/US00/03062
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 60/119,468
; PRIOR FILING DATE: 1999-02-10
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 49
; LENGTH: 1821
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-11-240-769-49

Query Match          9.4%; Score 172; DB 9; Length 1821;
Best Local Similarity 52.7%; Pred. No. 8.5e-30;
Matches 519; Conservative 0; Mismatches 445; Indels 20; Gaps 6;

QY 620 CCGTCCCTTTTTCACATCGGATTCATTTGGTTTTCATTTTCAACTCCTTCATGATGGTG 679
DB 537 CTGACCATGAGTGACGTCACGATCCACTGGTTTCTATTAATTAATCGTTGTGTGTC 596
QY 680 ATCTCTTGGTGGCTTAGTTTCAATGATTTTAATGAGAACATTAAGAAAGATTATGCT 739
DB 597 TTCTTCTGTGAGTATCCTGAGCATGATATTCATTCGACCCCTCCGGAAGGACATGGC 656
QY 740 CGGTACAGTAAAGAGGAAGAAATCGATATGATGATAGAGACCTAGGAGATGAATATGGA 799
DB 657 AACTACACAGAGGAGATGACATTTGA-----AGACACCATGGAGGAGTCTGGG 704
QY 800 TGGAAACAGGTGATGAGATGATTTTA-GACCATCAAGTCACCCACTGATATTTTCCCTC 858
DB 705 TGGAAATGGTGACGCGAGCTCTTCAGGCCCCCCCAGTACCCCATGATCCTCAGCTC 764
QY 859 TCTGATTTGGTCTGGATGTCAGATATTTGCTGTCTCTCATCGTTATTTATTTGTCAT 918
DB 765 CCGTCTGGGCTCAGGCAATTCAGTGTCTGTATGATCCTCATCGTCTATTTGTAGCCAT 824
QY 919 GATAGAGATTTATATCTAGAG- -GGGGATCAATGCTCAGTACAGCCATATTTGTCTA 975
DB 825 GCTTGGGATGCTGTGCGCTCCAGCCGGGAGCTCTCATGACACAGCCCTGCTCTCTT 884
QY 976 TGCTGTACGCTCTCCAGTGAATGTTATTTTGGAGGAGTCTGATCTAGACAAAGGAGG 1035
DB 885 CATGTTTCATGGGGGTGTTTGGCGGATTTCTGCTGGCGGCTGTACCGCACTTTAAAGG 944
QY 1036 AAGAGATGATTAAGCAGATGTTTATTTGGGCAATTCCTTATCCAGCTATGGTGTGG 1095
DB 945 CCATCGGTGGAAGAAAGAGGACCTTCTGTACGGCAACTCTGTACCCCTGGTGGTTTTGG 1004
QY 1096 CACTGCTCTTTCATCAATTTATAGCATTTATTTACATGCTTCAAGAGCATTCTCTTT 1155
DB 1005 CATCTGCTTCTGATTAATGCTTTCATTTGGGGAAGACATCATCAGAGGGTGCCCTT 1064
QY 1156 TGGAAACATGGTGGCCGCTTTGTCATCTGTTTTTTTGTATTTCTTCTCTAAATCTTGT 1215
DB 1065 TCCACCATGCTGCTCTGCTGTGATGCTG- GTTCGGGATCTCCCTGCCCTCTGCTACT 1123
QY 1216 TGGTACATATCTGGCCGGAATCTGTAGGTACGCCCACTTCTCTGTGTGTCATGTC 1275
DB 1124 TGGGCTACTACTTCCGGCTTCGGAAGCAG- -CCATATGACAACCCCTGTGGGCACCA 1181
QY 1276 TGTGCTCGTCTTATACCGGAAAAAATGTTTCATGAGGCTTGTGCTTATTTGTTGCT 1335
```

```
DB 1182 GATTCCTCCGCGAGATCCCGAGCGGGTGGTACATGAACCGATTTGTGGCACTCTCAT 1241
QY 1336 GGGTGGAAATTTTACCTTTTGGTTCAATCTTTAATGAAATGTAATTTCACTTCACGCTTT 1395
DB 1242 GGTGGGATCTTGCC-TTGGGCGCATGTTTCATCGAGCTCTTCTTCATCTTCAGTGTCTAT 1300
QY 1396 CTGGGCAATATAGATCTATATGCTATGCTTATGCTTCAATGCTGCTGCTGTTATCCTGTG 1455
DB 1301 CTGGGGAATCAGTCTTATTTACCTCTTTGGCTTCTCTGTTCTTCTTCAATCACTCTTGT 1360
QY 1456 CATTTGTGACTGCTGTGTGCTACTTATTTGTGTCACATATTTTCTACTAAATGCAAGATTA 1515
DB 1361 GGTATCTCTGTTCAAAATCAGCATCTCATGGTGTACTTCCAGCTGTGTGCGAGGATTA 1420
QY 1516 CCGGTGGCAATGGAAGATTTTCTCTCTGTCATCAATGCAATCTATGTTTACATGTA 1575
DB 1421 CCGCTGGTGTGAGAAATTTCTAGTCTCCGGGGGCTCTGCATTTCTAGCTCTCTGTTTA 1480
QY 1576 TTCCCTTTTACTACTATTTTTCAA 1599
DB 1481 TGCCATCTTTTATTTTCGTTAAACAA 1504

RESULT 9
US-11-240-769-21
; Sequence 21, Application US/11240769
; Publication No. US20060036089A1
; GENERAL INFORMATION:
; APPLICANT: Soppet et al.
; TITLE OF INVENTION: 33 Human Secreted Proteins
; FILE REFERENCE: P2037P1C2
; CURRENT APPLICATION NUMBER: US/11/240,769
; CURRENT FILING DATE: 2005-10-03
; PRIOR APPLICATION NUMBER: 09/997,131
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 09/628,508
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: PCT/US00/03062
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 60/119,468
; PRIOR FILING DATE: 1999-02-10
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
; LENGTH: 1816
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (504)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1405)
; OTHER INFORMATION: n equals a,t,g, or c
; US-11-240-769-21

Query Match          9.3%; Score 169.4; DB 9; Length 1816;
Best Local Similarity 52.0%; Pred. No. 3.4e-29;
Matches 514; Conservative 7; Mismatches 448; Indels 20; Gaps 6;

QY 616 TGATCGCTCTTTTTCACATCGGATTCATTTGGTTTTCATTTTCAACTCCTTCATGAT 675
DB 520 TTACTTCGACCATGAGTGACGTCAGATCCACTGGTTTCTTATCAATTAATCCGCTTGTGT 579
QY 676 GGTGATCTCTTGGTGGGCTTAGTTTCAATGATTTTAAATGAGAAATTAAGAAAGATTA 735
DB 580 GGTCTTCTTCTGTCAGGTATCCTGAGCATGATTAATCATTCGACCCCTCCGAGGACAT 639
QY 736 TGCTCGGTACAGTAAGAGAAAGAAATGATGATATGATAGAGACTAGGAGATCAATA 795
DB 640 TGCCAACTACACAGGAGGATGACATTGA-----AGACACCATGAGGAGTGC 687
```

QY 796 TGGATGGAACAGTGTGATGAGATGATTTA-GACCATCAAGTCACCCACTGATATTTT 854
Db 688 TGGGTGGAAGTGTGTGACGCGACGCTTTTTCAGGCCCCCCCCAGTACCCCATCTCTCA 747
QY 855 CCTCTCTGATTTGTTCTGGAATGTCAGATATTTGCTGTGCTCTCATCTGTTATTTATTTG 914
Db 748 GCTCCCTGCTGGCTCAGGATTCAGCTGTTCTGTATGATCCTCATGCTCATCTTTGTAG 807
QY 915 CAATGATAGAAATTTATATATCTAGAG- -GGGATCAATGCTCAGTACAGCCATTTTG 971
Db 808 CCATGCTTGGATGCTGTGCGCCCTCCAGCGGGAGCTCTCATGACACACAGCCTGCTTC 867
QY 972 TCTATGCTGCTAGCTCTCCAGTGAATGTTATTTGGAGGAAGTCTGTATGCTAGACAAG 1031
Db 868 TCTTCAATGTTATGCGGGGTGTTTGGCGGATTTTCTGTGCGCGCTGTATGACCGACTTTAA 927
QY 1032 GAGGAAGGAGATGGAATAAGCAGATGTTTATTTGGGCAATTCCTTATCCAGCTATGCTGT 1091
Db 928 AAGGCCATCGTGGAGAAAGAGGCTTCTGTACGGCACTCTGTACCCCTGCTGTGTTT 987
QY 1092 GTGGCACTGCTTCTCATCAATTTATATGCAATTTATTTACCAGTCTTCAAGAGCCATTC 1151
Db 988 TTGGCATCTGCTTCTGATTTGCTTCAATTTGCTTCAATTTGGGGAAGCACTCATCAGGAGCGTGC 1047
QY 1152 CTTTGGAAACAATGTTGGCGCTTGTGTCATCTGTTTGTGTTATTTCTCTCTAAATC 1211
Db 1048 CTTTCCCAACATGTTGGCTCTGCTGTGATGTG-GTTGGGATCTCCCTGCGCCCTCGTC 1106
QY 1212 TTGTTGCTACAACTTGGCGGAAATCTGTGAGTCAAGCCCACTTCTTGTGCTGTGTC 1271
Db 1107 TACTTGGCTACTTCTGCTTCCGGAAGCAG- -CCATATGACAACCCCTGTGCGGACCA 1164
QY 1272 ATGCTGTGCTGCTCTATACCGGAGAAAATGGTTCTATGAGGCTCGCGTTATTTGTTT 1331
Db 1165 ACCAGATTCCTCCGCGAGATCCCGGAGCGGTGTACATGAACCGATTTGTGGGCACTC 1224
QY 1332 GCTGGGTGGAATTTACCTTTTGGTTCATCTTTATTTGAATGATTTTCACTTTCAGT 1391
Db 1225 TCATGCTGGATCTTGTGCTTCCGCGCCATGTTCACTGAGCTCTTCTTCACTTCAGTG 1284
QY 1392 CTTTCTGGGCATATAAGATCTATTATGCTCATGGCTTCATGATGCTGCTGCTGTTATCC 1451
Db 1285 CTATCTGGAGATCAGTCTTATCTTCTTGGCTTCTGCTGCTTCTGCTTCTCATCTCC 1344
QY 1452 TGTGCAATGTGACTGTGTGCACTATTGTGTGCAATATTTTCTACTAAATGCAAGAG 1511
Db 1345 TGGTGGKATCCTGKTCACAAATCAGCATCGTATGCTGATGCTGCTGCTGCTGCTGCTG 1404
QY 1512 -ATTACGGTGGCAATGGAACAGTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1570
Db 1405 NATTACCGTGGTGGGAGAAATTCCTAGTCTCCGCGGCTCTGCTGCTGCTGCTGCTG 1464
QY 1571 ATGATTTCTTTTACTACTATTTTTCAA 1599
Db 1465 GTTATGCAATCTTTTATTTTCGTTAACAA 1493

RESULT 10

US-09-925-065A-724812/c
; Sequence 724812, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108927.135
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US/09/925, 065A
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20

; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 724812
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-09-925-065A-724812

Query Match 7.6%; Score 138; DB 6; Length 1251;
Best Local Similarity 86.0%; Pred. No. 5.5e-22;
Matches 153; Conservative 0; Mismatches 25; Indels 0; Gaps 0;

QY 991 ACTGAATGCTTATTTTGGAGGAAGTCTGTATCTAGACAAGGAGGAGATGGATAAA 1050
Db 750 ACTAATATATATATTAACITTCATAGTTCTTCTTTTCAGGAGGAGATGGATAAA 691
QY 1051 GCAGATGTTTATTTGGGGCAATTCCTTATCCAGCTATGTTGTGGCACTGCTTCTTCAT 1110
Db 690 GCAGATGTTTATTTGGGGCAATTCCTTATCCAGCTATGTTGTGGCACTGCTTCTTCAT 631
QY 1111 CAATTCATAGCCATTTATACCAGTCTTCAAGAGCCATTCCTTTTGGAAACAATGGTG 1168
Db 630 CAATTCATAGCCATTTATACCAGTCTTCAAGAGCCATTCCTTTTGGAAACAATGGTG 573

RESULT 11

US-10-932-182A-478
; Sequence 478, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHIRO
; APPLICANT: KODAMA, YUKIO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 478
; LENGTH: 2019
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-478

Query Match 6.8%; Score 124.4; DB 7; Length 2019;
Best Local Similarity 46.4%; Pred. No. 9.5e-19;
Matches 567; Conservative 0; Mismatches 631; Indels 24; Gaps 4;

QY 530 GTTCCAAATCTAAATCCAGATGTCATATTCAGTAAATGAAAGAGTCAGATGTGAAA 589
Db 817 GATAAAGATATGACGTGTATTTTACTACTCCGTCAAATTCATTGCTTCTGATACAGTT 876
QY 590 TTTGAAGATCGATTTTGACAAATATCTTGTATCGTCTCTTTTCAACATCGGATTCATCG 649
Db 877 TGGGCTACAGATGGGCAAGTATCTACAT-----ATTATGATCCGCAAAATTCATCG 930
QY 650 TTTTCAAATTTTCAACTCTCTCATGATGTTGATCTTCTTGGTGGGCTTAGTTTCAATGAT 709
Db 931 TTTTCTTTAATTAATTTCTCCATCATCATTTTACTATCATCTGTGTTATTCATCT 990
QY 710 TTAATGAGAACATTAAGAAAGATTTATGCTCGGTACAGTAAAGAGAGAAATGATGAT 769
Db 991 ATACTTCGGCTGTGAGAGATGATTTTGGCCGCTTATAACGAA-----CTTCAC 1038


```
QY 770 ATGATGAGACCTAGGAGTGAATATGATGAGAAACAGGTGCGATGGAGATGATTTAGA 829
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1039 CTAGATATGATTTCTAGGAGTACTGCTGGAAATTAGGTCAITGGTATGATTTAGA 1098
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 830 CCATCAAGTCAACCACTGATATTTCTCTCTGATGGTCTGGATGTCAGATATTTGCT 889
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1099 ACATCATTAATCAATGGTGTATCTGTCTGCTGGGTTCAGGTATTTCAATATTTCTG 1158
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 890 GTGCTCT---CATCGTATATTTGTCATATAGATAGATTTATATCTAGAGGGGA 946
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1159 ATGATCATATGATGATTTCTTTGCTGCTATGCTCTCCAGTGAATGGTATTTT 1218
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 947 TCAATGCTCAGTACAGCCATATTTGCTATGCTGCTACGCTCCAGTGAATGGTATTTT 1006
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1219 TCTTTGCCAACCGTATGATTTGTTTACGCAATTTCCGCTTTGAGGTTCTTACT 1278
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1007 GGAGGAAGTCTGTATGCTAGACAAGGAGGAGATGATTAAGCAGATGTTTATGGG 1066
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1279 TCCATGGGTGTCTATAAGTTTTCATGAGACCTTATTTGGAAGGCTAATTTGATAATTACA 1338
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1067 GCATTCCTTATCCAGCTATGCTGTGGCACTGCTCTTCATCAATTTTCATAGCCATT 1126
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1339 CCAATCTGCTCTCGGCGCAATTTTCTATTAATAGTAGCAATGAACTTCTCTTAATTA 1398
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1127 TATTACCATGCTTCAAGAGCCATTTCTTTTGGAAATGGTGGCGCTTTGTGTCATCTGT 1186
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1399 TCTGGCAGTCTCGGTGTGATCCGACGAAGAGCTGTTTTCATAATCTTCTATAGG 1458
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1187 TTTTGTGATTTCTCTCTAAATCTTTGTTGGTACAAATCTTGGCCGAAATCTGTGAGGT 1246
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1459 TTTTGGGTGTCTATTCCATTTGCTGCTGTTTATATATATATGCTTACAAAAGTGTAA 1518
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1247 CAGCCCAATTTCTTGTGCTGCTCAATGCTGTGCTGCTTATACCGAGAAAATAGG 1306
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1519 TGGATGAACATCAACAAAACAAACAGATGCTCGACAAAGTCCATTTACGCTTGG 1578
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1307 TTCAATGAGCCTCGGCTTATTTGCTGGGTGGAATTTTACCTTTTGGTTCAATCTTT 1366
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1579 TACTTAGGACAAACAGGCAACCTTATTCAGGCAATTTCTTTTGGTTCAATAGCC 1638
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1367 ATTGAATGATTTTCACTCTCACTCTCTGCGGATATAGATCTATATATGCTATGGC 1426
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1639 GTTGAATATATTTCAATTTACTCCAGTTTATGGTTCAACAAGATTTTGTATGTTTGGT 1698
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1427 TCCATGATGCTGGTGTGTTATCTCTGCAATTTGCTGCTGCTGCTGCTGCTGCTGCTG 1486
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1699 TTTCTACTCTTTTCAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1758
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1487 ACATATTTTCTACTAAATGCAGAAAGATTACCGGTGGCAATGGACAAGTTTCTCTGCT 1546
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1759 ACGTATCATTTATGTTTGGAAATTTGGTTGGCAGTGGAGGAGTTTATTTATTTGGT 1818
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1547 GCATCAACTGGAATCTATGTTTACATGATTTCTTTTACTACTATTTTTCAAAACAAG 1606
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1819 GGT---TGGGATGTTCAAGTTTATGTTTATCCATGCAATATTTATTTACAAAATTTCAA 1875
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1607 ATGATGCTTATTTCAACATCATTTTACTTTGCTATATGCGGTATTTAGCACAGCC 1666
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1876 CTGGTGGATTCGTCAACATCACTGATGTTGTTGATTAATTTATGATATCTGTGCTA 1935
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1667 TTGGGGATAATGTTGGAGCGATTTGGTTACATGGGAACAAGTGCCTTTTCCGAAAATC 1726
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1936 TGTTCGCTGTACAGGGCGATCGGCTTTTTCAGTAGCATGATTTATTTAGAAAGATT 1995
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1727 TATCTAATGTGAATTTGACT 1748
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1996 TATTTAGAGTTAAAGTCGAGT 2017
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
```

RESULT 12

US-10-932-182A-478

; Sequence 478, Application US/10932182A

; Publication No. US20060046253A1

```
; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHIRO
; APPLICANT: KODAMA, YUKIO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 478
; LENGTH: 2019
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
; US-10-932-182A-478
```

```
Query Match 6.8%; Score 124.4; DB 7; Length 2019;
Best Local Similarity 46.4%; Pred. No. 9.5e-19;
Matches 567; Conservative 0; Mismatches 631; Indels 24; Gaps 4;

QY 530 GTTCCAAATCTAAATCCAGATGTCATATTCAGTAAATGGAAGTCAGATGTGAAA 589
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 590 TTTGAAGATCGATTTGACAAATATCTTGATCCGTCCTTTTTCACATCGGATTCATGG 649
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 877 TGGGCTACAAGATGGGACCAAGTATCTACAT-----ATTATGATCCGAAATTCATGG 930
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 650 TTTTCAATTTTCAACTCTTTCATGATGGTGTCTCTTCTGGTGGGCTTAGTTCATGAT 709
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 931 TTTTCTTTAATTAATTTCTCCATCATCATTTTACTATCATCTGCTGGTTATTCATCT 990
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 710 TTAATGAGAACATTAAGAAAAGATTAATGCTCGTACAGTAAGAGAGAAATGGAATG 769
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 991 ATACTTGGGCTGTGAAGAGTGAATTTTGGCCGTTATAACGAA-----CTTCAC 1038
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 770 ATGGATAGAGACCTAGGAGATGAATATGATGAGAAACAGTGCATGAGATGATTTAGA 829
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1039 CTAGATATGATTTTCTAGGATGATCTGGTGGAAATTAGGTCAITGGTATGATTTAGA 1098
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 830 CCATCAAGTCAACCACTGATATTTCTCTCTGATTTGTTCTGGATGTCAGATATTTGCT 889
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1099 ACATCATCTAAATCAATGCTTATCTGTGCTCGTGGTTCAGGTATTTCAATATTTCTG 1158
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 890 GTGCTCT---CATCGTATATTTGTCATGATAGATTTATATCTAGAGGGGA 946
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1159 ATGATCATATGATGATTTTCTTTGCTGCAATTTAGGCTCTGATCACCAGCTTCAAGAG 1218
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 947 TCAATGCTCAGTACAGCCATATTTGCTATGCTGCTACGCTCCAGTGAATGGTATTTT 1006
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1219 TCTTTGCCAACCGTATGATTTGTTTCTTTAGCATATTTCCGCTTTGAGGTTCTTACT 1278
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1007 GGAGGAAGTCTGTATGCTAGACAAGGAGGAGATGATTAAGCAGATGTTTATGGG 1066
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1279 TCCATGGGTGTCTATAAGTTTTCATGAGACCTTATTTGGAAGGCTAATTTGATAATTACA 1338
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1067 GCATTCCTTATCCAGCTATGCTGTGGCACTGCTCTTCATCAATTTTCATAGCCATT 1126
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1339 CCAATCTGCTCTCGGCGCAATTTTCTATTAATAGTAGCAATGAACTTCTCTTAATTA 1398
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1127 TATTACCATGCTTCAAGAGCCATTTCTTTTGGAAATGGTGGCGCTTTGTGTCATCTGT 1186
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1399 TCTGGCAGTCTCGGTGTGATCCGACGAAGAGCTGTTTTCATAATCTTCTATAGG 1458
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1187 TTTTGTGATTTCTCTCTAAATCTTTGTTGGTACAAATCTTGGCCGAAATCTGTGAGGT 1246
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1459 TTTTGGGTGTCTATTCCATTTGCTGCTGTTTATATATATATGCTTACAAAAGTGTAA 1518
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1247 CAGCCCAATTTCTTGTGCTGCTCAATGCTGTGCTGCTTATACCGAGAAAATAGG 1306
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1519 TGGATGAACATCAACAAAACAAACAGATGCTCGACAAAGTCCATTTACGCTTGG 1578
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1307 TTCAATGAGCCTCGGCTTATTTGCTGGGTGGAATTTTACCTTTTGGTTCAATCTTT 1366
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1579 TACTTAGGACAAACAGGCAACCTTATTCAGGCAATTTCTTTTGGTTCAATAGCC 1638
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1367 ATTGAATGATTTTCACTCTCACTCTCTGCGGATATAGATCTATATATGCTATGGC 1426
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1639 GTTGAATATATTTCAATTTACTCCAGTTTATGGTTCAACAAGATTTTGTATGTTTGGT 1698
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1427 TCCATGATGCTGGTGTGTTATCTCTGCAATTTGCTGCTGCTGCTGCTGCTGCTGCTG 1486
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1699 TTTCTACTCTTTTCAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1758
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1487 ACATATTTTCTACTAAATGCAGAAAGATTACCGGTGGCAATGGACAAGTTTCTCTGCT 1546
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1759 ACGTATCATTTATGTTTGGAAATTTGGTTGGCAGTGGAGGAGTTTATTTATTTGGT 1818
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1547 GCATCAACTGGAATCTATGTTTACATGATTTCTTTTACTACTATTTTTCAAAACAAG 1606
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1819 GGT---TGGGATGTTCAAGTTTATGTTTATCCATGCAATATTTATTTACAAAATTTCAA 1875
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1607 ATGATGCTTATTTCAACATCATTTTACTTTGCTATATGCGGTATTTAGCACAGCC 1666
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1876 CTGGTGGATTCGTCAACATCACTGATGTTGTTGATTAATTTATGATATCTGTGCTA 1935
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1667 TTGGGGATAATGTTGGAGCGATTTGGTTACATGGGAACAAGTGCCTTTTCCGAAAATC 1726
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1936 TGTTCGCTGTACAGGGCGATCGGCTTTTTCAGTAGCATGATTTATTTAGAAAGATT 1995
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1727 TATCTAATGTGAATTTGACT 1748
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1996 TATTTAGAGTTAAAGTCGAGT 2017
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
```



```
US-10-932-182A-4690
; Sequence 4690, Application US/10932182A
; Publication No. US20060046253A1
; GENERAL INFORMATION:
; APPLICANT: NAKAO, YOSHIHIRO
; APPLICANT: NAKAMURA, NORIHISA
; APPLICANT: KODAMA, YUKIKO
; APPLICANT: FUJIMURA, TOMOKO
; APPLICANT: ASHIKARI, TOSHIHIKO
; TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS
; FILE REFERENCE: 030685-043
; CURRENT APPLICATION NUMBER: US/10/932,182A
; CURRENT FILING DATE: 2004-09-02
; NUMBER OF SEQ ID NOS: 197023
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 4690
; TYPE: DNA
; ORGANISM: Saccharomyces pastorianus
US-10-932-182A-4690

Query Match      6.6%; Score 120; DB 7; Length 2025;
Best Local Similarity 46.2%; Pred. No. 1e-17;
Matches 562; Conservative 0; Mismatches 630; Indels 24; Gaps 4;

Qy 537 ATACTAAATCCAGATGTCATATTCAGTAAATGGAAGAAAGTCAGATGTGAATTTGAAG 596
Db      |||
Qy 830 ATAATGAAGTTTATTTTACCTATTGCGTTAAATTCGAGGAATCCCCACATTCATGGGCTA 889
Db      |||
Qy 597 ATCGATTGACAAATATCTTCATCGCTCTTTTCAACATCGGATTCATTTGGTTTTCAA 656
Db      |||
Qy 890 CCAGATGGACAAATATTACA-----CGTTATGATCTTCTATCCAAATGGTTCTCT 943
Db      |||
Qy 657 TTTTCACTCTTCATGATGATCTTCCTGGTGGCTTAGTTTCAATGATTTTAAATGA 716
Db      |||
Qy 944 TAAATTAATCTCTCTTGGTGGTGGTATTCATCATCGTGGTATTCCTCACTCACTACTGC 1003
Db      |||
Qy 717 GAACATTAAGAAAGATTTATCTCGGTACAGTAAAGAGAGAAATGATGATATGATA 776
Db      |||
Qy 1004 GCGTTTGAAGATGATTTCTCGGTACACGAGTAAACCTAGACGATCACTTCCA-- 1061
Db      |||
Qy 777 GAGACCTAGGAGATGAATATGATGAAACAGGTGCATGGAGATGATTTAGACCATCAA 836
Db      |||
Qy 1062 -----AGAGATTTCAGCTGGAAATTAACACGAGTGGTGGTTTCCGTTACCAA 1111
Db      |||
Qy 837 GTCACCCATGATATTTCTCTGATGATGTTCTGGATGTCAGATATTTCTGTCTC 896
Db      |||
Qy 1112 GCCAGTCACTAATGCTCTCCATTTTGGTGGTTCAGGTGTTCAATTTATTTTGGATGCTCA 1171
Db      |||
Qy 897 TCATCGTTATTTATGTCGAATGATAGAGATTTATATATCTAGAGGGGATCAATGCTCA 956
Db      |||
Qy 1172 CTGTAGTATTTTCTGCTGATGATGTTTCTTATCACTACCTAGTCTAGAGGCTCGTTAG 1231
Db      |||
Qy 957 GTACAGCCATATTTGCTATGCTGCTAGCTCTCAGTGAATGTTATTTTCGAGGAA--- 1013
Db      |||
Qy 1232 CCACGGTATGTTCTATCTATATGCTTATTTGGATTTGTTGTTCTTACATCCATGG 1291
Db      |||
Qy 1014 GTCGTATGCTAGACAGGAGGAGATGATGAATAACGAGATGTTTATTTGGGGGATTC 1073
Db      |||
Qy 1292 GTATCTACAAATTTTTCATGCTCATACTGAGGCAAAATGTCATCATGACCCCGCTTT 1351
Db      |||
Qy 1074 TTAATCCAGCTATGGTGTGGCTGCTCTTCTTATCAATTTTCATAGCCATTTATACC 1133
Db      |||
Qy 1352 TAGTTCCTGGAGCTATCTCTAGTAATCATGTGCACTGAATCTTTTCTTAATGTTGTC 1411
Db      |||
Qy 1134 ATGCTTCAAGCCATTCCTTTTGGAAACAATGGTGGCGGTTGTTGATCTGTTTTTTTG 1193
Db      |||
Qy 1412 ATTCTTGGTGTATTTCCAGCAAGTACTTTGTTTTTATGGTATCTTATGGTTTTAT 1471
Db      |||
Qy 1194 TTAATCTTCTCTAAATCTTGTGTACAATCTATCTGCGCGAAATCTGTCAAGGTCAAGCCCA 1253
Db      |||
Qy 1472 TCTCCATTCCTGTTATCAATTTCTGTTCTCTGTTGTCGAGGAGAGATGTCACTGGGATG 1531
Db      |||

US-11-000-688-1308
; Sequence 1308, Application US/11000688
; Publication No. US20050287544A1
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, Francois
; APPLICANT: HOULGATTE, Remi
; APPLICANT: BIRNBAUM, Daniel
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS
; FILE REFERENCE: 1423-R-03
; CURRENT APPLICATION NUMBER: US/11/000,688
; CURRENT FILING DATE: 2004-12-01
; PRIOR APPLICATION NUMBER: US 60/525,987
; PRIOR FILING DATE: 2003-12-01
; NUMBER OF SEQ ID NOS: 1596
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 1308
; LENGTH: 424
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial sequences: primer
; NAME/KEY: misc feature
; LOCATION: (1)-(424)
; OTHER INFORMATION: 3' terminal sequence from clone
; OTHER INFORMATION: image:546351. transmembrane 9 superfamily member
; OTHER INFORMATION: 2 (TM9SF2) gene.
; NAME/KEY: misc feature
; LOCATION: (2)-(2)
; OTHER INFORMATION: n is a, c, g, or t
US-11-000-688-1308

Query Match      5.6%; Score 101.6; DB 12; Length 424;
Best Local Similarity 53.1%; Pred. No. 9.4e-14;
```

		Matches 215; Conservative 0; Mismatches 190; Indels 0; Gaps 0;			
Qy	1349	CCTTTTGGTTCAATCTTTATTGAAATGATATTTTCATCTTCACGTCCTTTCTGGGCATATAAG 1408			
Db	1				
		1 CNTTTTGGCTGCATCTTTTATACAGCTTTTCTTCATCTGGAATAGCAATTTGGTCCACCAG 60			
Qy	1409	ATCTATTATGTCATGGCTTTCATGATGCTGGTGTGCTGTTATCCTGTGCAATGTGACTGTC 1468			
Db	61				
		61 ATGTATTACATGTTGGTTTCCTGTTCTGGTGTTTATCATTTTGGTTATTACCTGTTCC 120			
Qy	1469	TGTGTGACTATTGTGTGCACATATTTTCTACTAAATGAGAGAGATTACGGTGGCAATGG 1528			
Db	121				
		121 GAAGCAACTATATCTTTTGTCTACTTTCACCTATGTGCAGAGGATTACCAATTGGCAGTGG 180			
Qy	1529	ACAACTTTTCTCTGTGTCATCACTCAACTATGTTTACATGTTATCTTTTACTTAC 1588			
Db	181				
		181 CGTTCCTTCTTACCAAGGGCTTCAAGCTGTTTACTTCTCGATATAGCCATACACTAC 240			
Qy	1589	TATTTTTTCAAAACAAAGATGTATGGCTTATTTCAAAACATCATTTTACTTTGGATATATG 1648			
Db	241				
		241 TTCTTCTCAACTGCAGATCAGGGGGACAGCAAGTACAATCCTGTACTTCGGTTTACT 300			
Qy	1649	GGGTATTATAGCACAGCCTTGGGGATAATGTGTGAGCGGATTTGGTTACATGGGAACAAGT 1708			
Db	301				
		301 ATGATAATGGTTTGTATCTTCTTCTCTTTTACAGGAACAAATGGCTTCTTTGCATGCTTT 360			
Qy	1709	GCCTTTGTCCGAAATCTATATAATGTGAAAATTGACTAGAGA 1753			
Db	361				
		361 TGGTTTGTACCAAAATATACAGTGTGGTGAAGTGGACTGAAGA 405			

Search completed: March 10, 2006, 22:46:14
Job time : 590.727 secs

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☐ BLACK BORDERS

☒ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

☐ FADED TEXT OR DRAWING

☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING

☐ SKEWED/SLANTED IMAGES

☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS

☐ GRAY SCALE DOCUMENTS

☐ LINES OR MARKS ON ORIGINAL DOCUMENT

☒ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.